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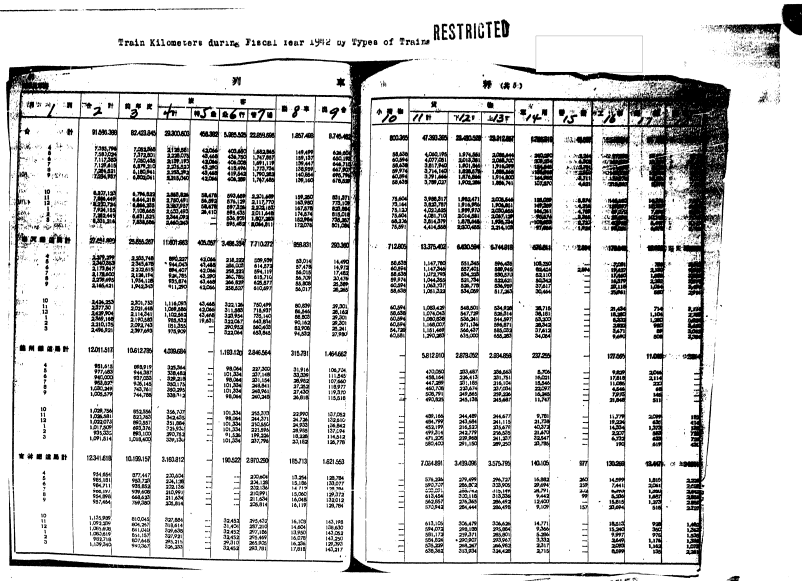
Train Kilometers during Fiscal Year 1942 by Types of Trains

1. Months
2. Total for fiscal year 1942
3. Total for fiscal year 1941
4. Total passenger trains--km
5. Special express trains
6. Express trains
7. Ordinary trains
8. Motorcar trains
9. Mixed trains
10. Baggage trains
11. Total freight trains--km
12. Outbound
13. Inbound
14. Military trains
15. Guard trains
16. Engineering trains
17. SMR's trains for own use
18. Test trains
19. Total
20. Mukden Bureau
21. Chin-chou Bureau
22. Kirin Bureau



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Train Kilometers during Fiscal Year 1942 by Types of Trains

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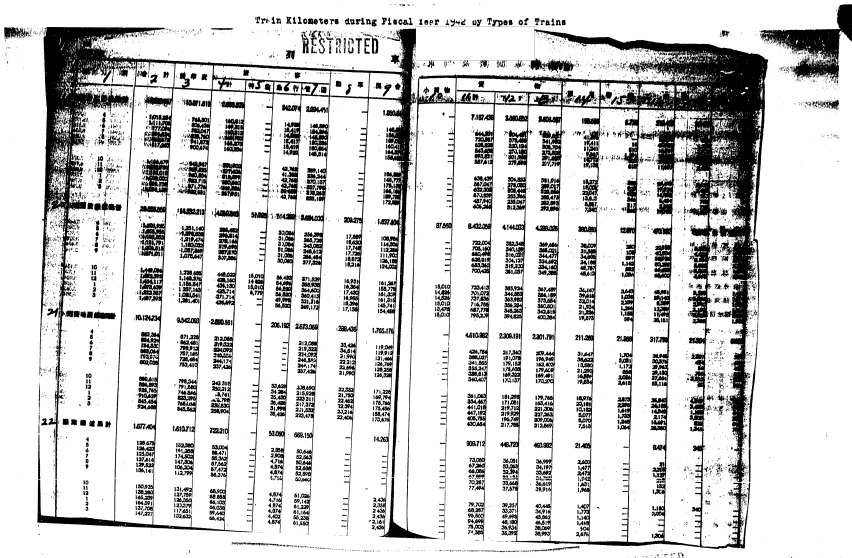
1. Mookha
2. Total for fiscal year 1942
3. Total for fiscal year 1941
4. Total passenger train--km
5. Special express trains
6. Express trains
7. Ordinary trains
8. Motorcar trains
9. Mixed trains
10. Baggage trains
11. Total freight trains--km
12. Outbound
13. Inbound
14. Military trains
15. Guard trains
16. Engineering trains
17. SMR's trains for own use
18. Test trains
19. Mu-tan-chiang Bureau
20. Harbin Bureau
21. Taitsihar Bureau
22. Najin Bureau



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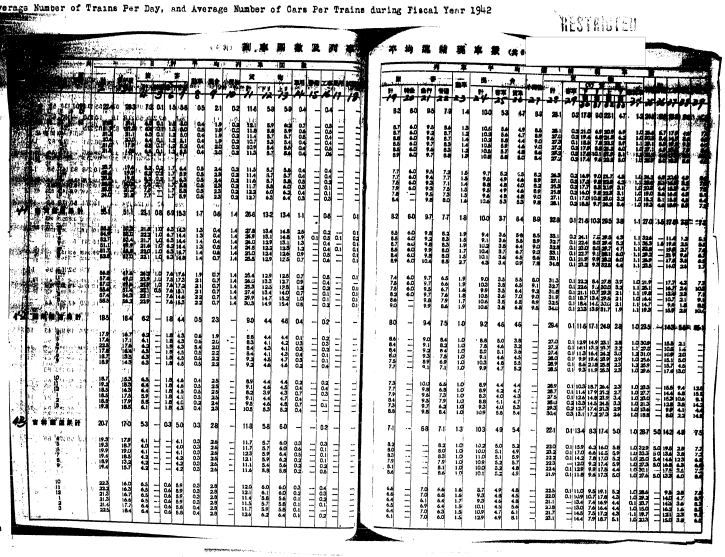
Average Number of Trains Per Day, and Average Number of Cars Per Trains during Fiscal Year 1942

1. Months
2. Average number of trains per day for 1942
3. Average number of trains per day for 1941
4. Number of passenger trains
5. Special express trains
6. Express trains
7. Ordinary trains
8. Motorcar trains
9. Mixed trains
10. Baggage trains
11. Number of freight trains
12. Outbound
13. Inbound
14. Military trains
15. Guard trains
16. Engineering trains
17. SMR's trains for own use
18. Test trains
19. Average number of cars per passenger train
20. Special express trains
21. Express trains
22. Ordinary trains
23. Motorcar trains
24. Average number of cars per mixed train
25. Passenger cars
26. Freight cars
27. Average number of cars per baggage train
28. Average number of cars per freight train
29. Passenger cars
30. Loaded cars, outbound
31. Empty cars, outbound
32. Loaded cars, inbound
33. Empty cars, inbound
34. Cabooses, etc.
35. Average number of cars per military train
36. Average number of cars per guard train
37. Average number of cars per engineering train
38. Average number of cars per SMR's own train
39. Average number of cars per test train
40. Average
41. Mukden Bureau
42. Chin-chou Bureau
43. Kirin Bureau



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Average Number of Trains Per Day, and Average Number of Cars Per Trains during Fiscal Year 1942

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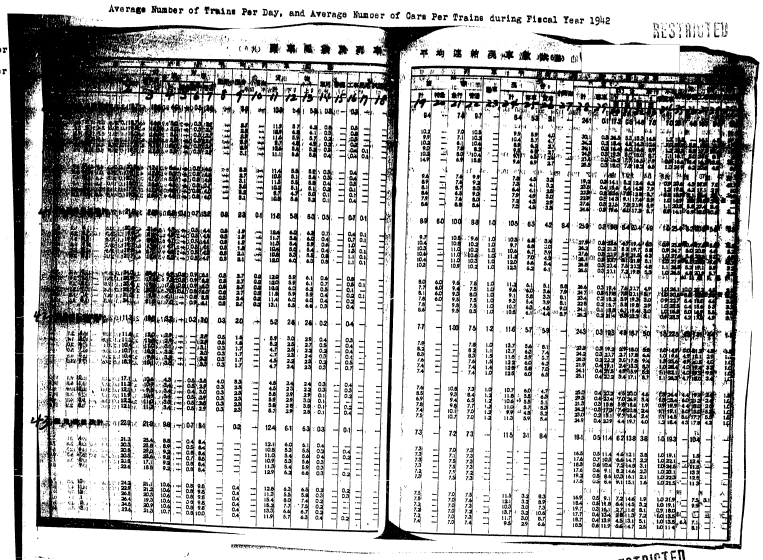
1. Months
2. Average number of trains per day for 1942
3. Average number of trains per day for 1941
4. Number of passenger trains
5. Special express trains
6. Express trains
7. Ordinary trains
8. Motorcar trains
9. Mixed trains
10. Baggage trains
11. Number of freight trains
12. Outbound
13. Inbound
14. Military trains
15. Guard trains
16. Engineering trains
17. SMR's trains for own use
18. Test trains
19. Average number of cars per passenger train
20. Special express trains
21. Express trains
22. Ordinary trains
23. Motorcar trains
24. Average number of cars per mixed train
25. Passenger cars
26. Freight cars
27. Average number of cars per baggage train
28. Average number of cars per freight train
29. Passenger cars
30. Loaded cars outbound
31. Empty cars, outbound
32. Loaded cars, inbound
33. Empty cars, inbound
34. Caboose, etc.
35. Average number of cars per military train
36. Average number of cars per guard train
37. Average number of cars per engineering train
38. Average number of cars per SMR's own train
39. Average number of cars per test train
40. Mu-tang-chaing Bureau
41. Herbin Bureau
42. Tsitsihar Bureau
43. Najin Bureau



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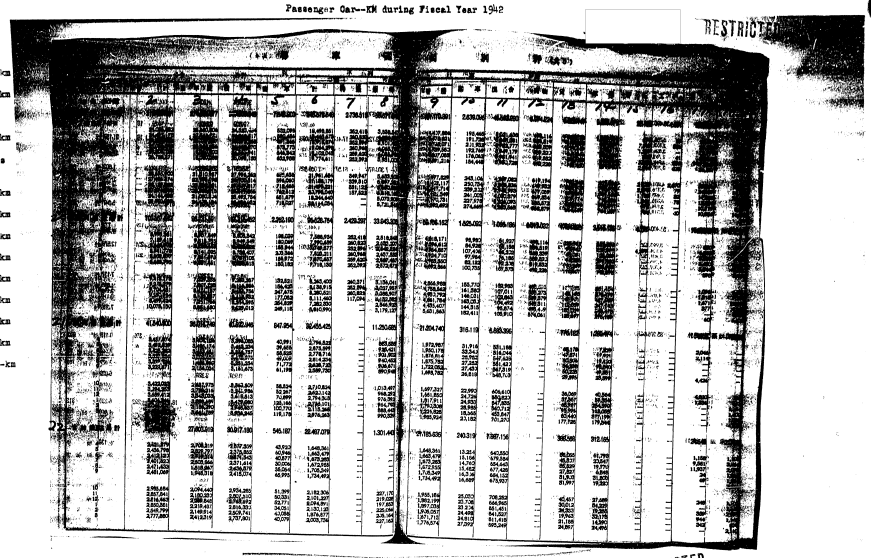
Passenger Car--KM during Fiscal Year 1942

1. Months
2. Total passenger car--km for fiscal year 1942
3. Total passenger car--km for fiscal year 1941
4. Loaded car--km
5. Empty car--km
6. Total passenger car--km on passenger trains
7. Special express trains
8. Express trains
9. Ordinary trains
10. Total passenger car--km on motorcar trains
11. Total passenger car--km on mixed trains
12. Total passenger car--km on baggage trains
13. Total passenger car--km on freight trains
14. Total passenger car--km on military trains
15. Total passenger car--km on guard trains
16. Total passenger car--km on engineering trains
17. Total passenger car--km on SMR's own trains
18. Total passenger cars--km on test trains
19. Total
20. Mukden Bureau
21. Chin-chou Bureau
22. Kirin Bureau



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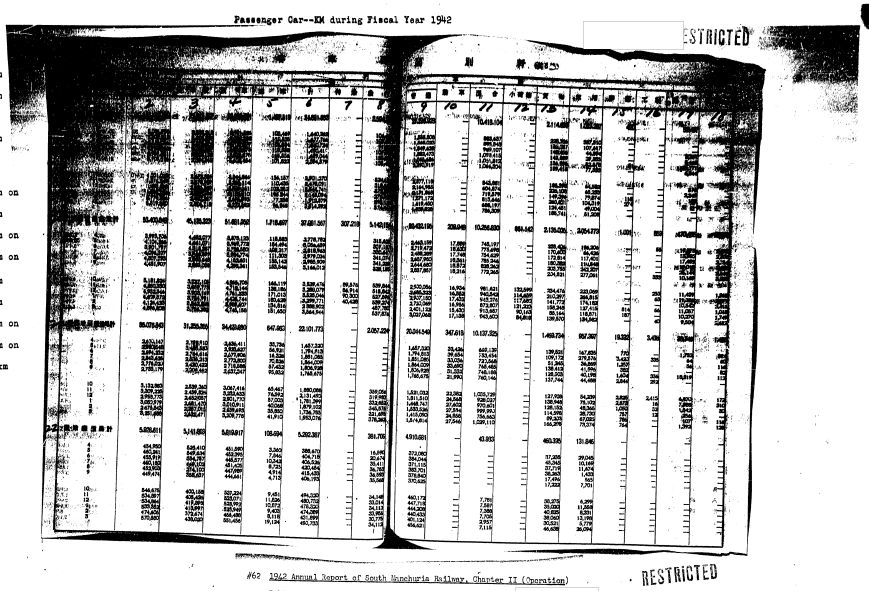
Passenger Car--Km during Fiscal Year 1942

1. Months
2. Total passenger car--km for fiscal year 1942
3. Total passenger car--km for fiscal year 1941
4. Loaded car--km
5. Empty car--km
6. Total passenger car--km on passenger trains
7. Special express trains
8. Express trains
9. Ordinary trains
10. Total passenger car--km on motorcar trains
11. Total passenger car--km on mixed trains
12. Total passenger car--km on baggage trains
13. Total passenger car--km on freight trains
14. Total passenger car--km on military trains
15. Total passenger car--km on guard trains
16. Total passenger car--km on engineering trains
17. Total passenger car--km on SMR's own trains
18. Total passenger cars--km on test trains
19. Mu-tang-chiang Bureau
20. Harbin Bureau
21. Tsitsihar Bureau
22. Hsin Bureau



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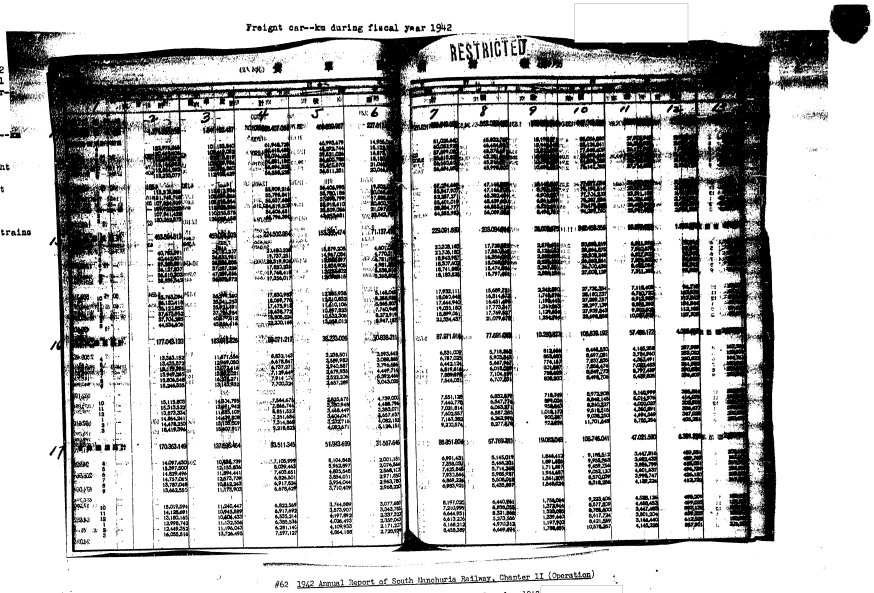
Freight car--km during fiscal year 1942

1. Months
2. Total freight car--km for 1942
3. Total freight car--km for 1941
4. Total for outbound freight car--km
5. Total loaded car--km
6. Total empty car--km
7. Total for inbound freight car--km
8. Total loaded car--km
9. Total empty car--km
10. Total loaded car--km on freight trains
11. Total empty car--km on freight trains
12. Total loaded car--km on mixed trains
13. Total empty car--km on mixed trains
14. Total
15. Mukden Bureau
16. Chin-chou Bureau
17. Kirin Bureau



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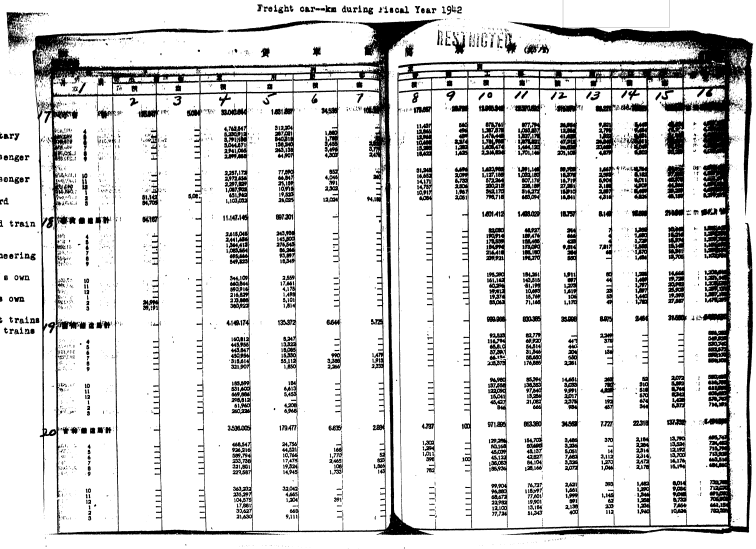
Freight car-km during Fiscal Year 1942

1. Months
2. Loaded freight car-km on baggage trains
3. Empty freight car-km on baggage trains
4. Loaded freight car-km on military trains
5. Empty freight car-km on military trains
6. Loaded freight car-km on passenger trains
7. Empty freight car-km on passenger trains
8. Loaded freight car-km on guard trains
9. Empty freight car-km on guard train
10. Loaded freight car-km on engineering trains
11. Empty freight car-km on engineering trains
12. Loaded freight car-km on SMR's own trains
13. Empty freight car-km on SMR's own trains
14. Loaded freight car-km on test trains
15. Empty freight car-km on test trains
16. Car-km of caboose, etc.
17. Total
18. Mukden Bureau
19. Chin-chou Bureau
20. Kirin Bureau



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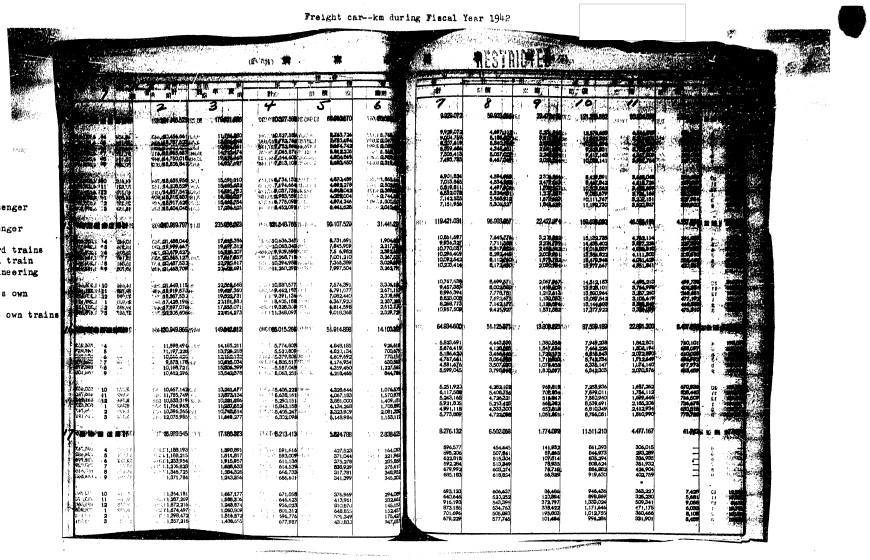
Freight car--km during Fiscal Year 1942



1. Months
2. Loaded freight car--km on baggage trains
3. Empty freight car--km on baggage trains
4. Loaded freight car--km on military trains
5. Empty freight car--km on military trains
6. Loaded freight car--km on passenger trains
7. Empty freight car--km on passenger trains
8. Loaded freight car--km on guard trains
9. Empty freight car--km on guard train
10. Loaded freight car--km on engineering trains
12. Loaded freight car--km on SMR's own trains
13. Empty freight car--km on SMR's own trains
14. Mu-tan-chiang Bureau
15. Harbin Bureau
16. Taitsihar Bureau
17. Najin Bureau

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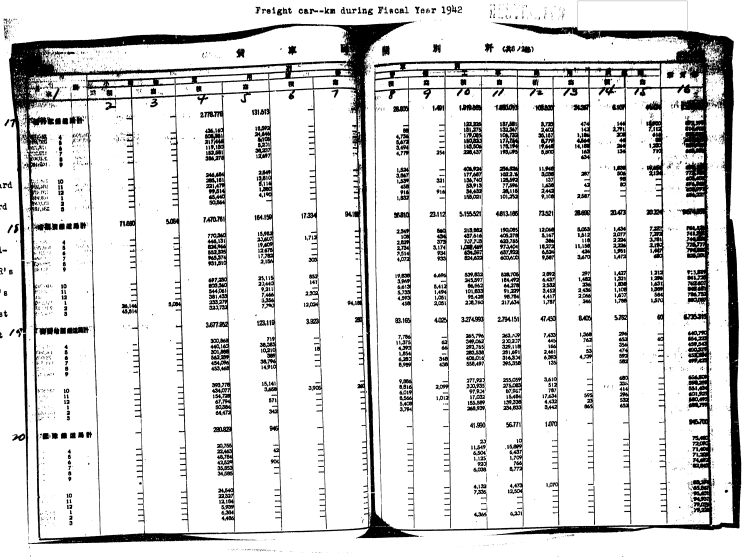
Freight car--km during Fiscal Year 1942

1. Months
2. Loaded freight car--km on baggage trains
3. Empty freight car--km on baggage trains
4. Loaded freight car--km on military trains
5. Empty freight car--km on military trains
6. Loaded freight car--km on passenger trains
7. Empty freight car--km on passenger trains
8. Loaded freight car--km on guard trains
9. Empty freight car--km on guard train
10. Loaded freight car--km on engineering trains
11. Empty freight car--km on engineering trains
12. Loaded freight car--km on SMR's own trains
13. Empty freight car--km on SMR's own trains
14. Loaded freight car--km on test trains
15. Empty freight car--km on test trains
16. Car--km of caboose, etc.
17. Mu-tan-chiang Bureau
18. Harbin Bureau
19. Taitsihar Bureau
20. Hsinking Bureau



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Utilization of Passenger Cars during Fiscal Year 1942

1. Total seating capacity--km
2. 1st class
3. 2nd class
4. 3rd class
5. Total passenger--km
6. 1st class
7. 2nd class
8. 3rd class
9. Average seating capacity of a passenger car
10. 1st class
11. 2nd class
12. 3rd class
13. Percentage of utilization of passenger cars
14. 1st class
15. 2nd class
16. 3rd class
17. Total
18. SMR's lines
19. National lines
20. North Korea lines
21. Mukden Bureau
22. Chin-chou Bureau
23. Kirin Bureau

11 客 車 利 用 成 績 (其1)

No.	局別	定員輸送人キロ 計	1等	2等	3等	有賃走行キロ 計	1等	2等	3等	平均定員 計	1等	2等	3等	平均乗車人員 計	1等	2等	3等
17	全部	19,226,119,828	271,213,770	2,044,750,258	17,013,145,898	14,084,769,088	50,082,864	961,153,044	13,123,536,360	92.3	36.1	90.3	91.1	73	18	62	73
18	鉄道局計	6,580,775,552	148,345,324	870,930,344	5,560,325,883	5,137,373,179	33,058,202	355,040,771	4,707,968,340	81.2	34.3	80.3	80.8	78	22	65	86
19	鉄道総計	12,344,288,594	116,505,338	1,139,482,052	11,091,283,214	8,745,109,803	16,418,662	459,556,718	8,269,134,419	62.7	32.5	41.9	62.2	71	14	41	74
20	北鮮鉄道計	305,076,803	5,364,126	33,177,862	341,534,815	152,224,903	69,762	5,762,555	145,732,606	67.6	36.2	54.4	66.3	49	17	31	49
21	満鉄及鉄道総計	6,736,239,575	153,764,320	889,677,296	5,743,797,959	5,278,224,826	33,758,764	401,704,539	4,842,677,123	81.5	39.7	90.3	89.1	78	22	64	86
	奉天鉄道	5,022,310,207	122,990,823	679,143,334	4,220,176,151	3,958,543,535	33,561,961	299,439,038	3,625,542,536	83.6	40.8	91.6	90.0	79	18	64	87
	吉林鉄道	1,127,241,998	24,334,282	147,143,102	915,923,604	918,955,712	9,637,303	81,838,713	831,301,102	79.1	34.9	56.0	87.1	69	21	34	84
	牡丹江鉄道	130,372,306	1,224	9,612,010	120,858,072	44,240,310	4,784	2,294,471	42,041,154	93.2	49.0	58.8	100.2	49	34	34	54
	入江鉄道	84,948,021	—	4,601,198	80,346,823	53,447,542	16	679,855	52,767,532	104.5	—	58.0	106.4	69	—	16	74
	龍鉄鉄道	80,892,177	148,980	6,367,464	74,375,733	43,301,133	20,260	1,695,362	41,573,908	103.0	48.0	63.1	110.8	54	20	37	58
	図們鉄道	4,655,830	—	—	4,655,830	3,733,938	—	—	3,733,938	79.4	—	—	79.4	62	—	—	62
	開原鉄道	147,848,118	12,108	25,212,232	122,143,784	91,253,998	33,161	9,821,353	81,399,484	87.6	49.6	67.8	93.7	68	27	48	69
	撫山鉄道	94,439,460	1,240,227	5,834,483	74,524,930	76,781,077	336,031	3,416,482	73,139,567	83.2	44.4	57.1	89.4	91	18	39	94
	鶴城鉄道	63,986,726	—	3,253,146	59,033,580	21,565,217	91	1,023,209	20,544,731	101.0	—	58.0	108.7	51	—	31	53
	鉄竹鉄道	27,690,383	6,606	2,398,862	25,284,914	23,084,587	96	643,545	22,445,451	89.4	30.8	58.3	94.2	84	8	37	89
	京図鉄道	11,948,185	98,121	1,022,262	10,827,794	9,495,770	4,144	837,791	8,653,835	82.4	38.0	45.1	89.8	79	6	42	79
22	鉄道総計	2,394,236,777	35,729,271	264,691,750	2,093,949,756	2,394,709,903	8,161,081	105,713,045	2,280,834,833	86.2	39.2	53.4	94.2	86	23	43	93
	奉山鉄道	1,294,284,344	33,419,218	178,745,932	1,082,119,223	1,012,025,244	8,121,921	82,052,896	1,121,944,451	84.2	39.1	53.6	93.1	103	23	47	111
	大連鉄道	227,566,448	6,397	12,975,611	214,671,540	183,652,139	1,331	2,587,327	181,063,336	91.9	45.0	57.2	99.6	56	4	32	58
	鞍鉄鉄道	140,983,678	37,152	14,816,576	126,429,930	75,628,232	911	2,722,247	72,904,138	92.4	44.8	61.0	98.5	54	2	19	58
	阿北鉄道	60,760,466	4,024	4,540,094	56,196,421	37,814,860	441	853,361	36,961,057	90.8	44.0	56.5	95.4	62	15	27	63
	錦古鉄道	481,636,701	231,924	47,965,867	433,438,910	254,340,027	15,453	14,992,347	239,348,247	86.1	44.5	49.1	93.0	59	4	19	63
	北鉄鉄道	14,288,747	—	1,015,504	13,273,243	8,241,062	18	231,419	7,979,643	87.4	—	56.0	90.2	58	—	18	63
	錦鉄鉄道	70,678,549	13,936	5,268,938	65,396,611	30,521,419	98	1,467,262	29,057,059	88.9	44.4	56.0	90.6	71	5	36	78
	吉敦鉄道	31,242,830	3,744	1,912,253	12,326,724	6,151,915	35	65,788	4,086,092	93.1	35.0	43.5	99.8	30	1	14	34
	高敦鉄道	31,370,147	8,052	2,029,103	19,333,162	—	—	—	—	—	—	—	—	—	—	—	—
23	鉄道総計	1,820,255,457	11,284,701	147,957,556	1,661,026,150	1,273,216,575	960,845	71,788,457	1,200,727,473	76.7	36.3	39.3	86.3	73	8	41	79
	四平鉄道	476,790,400	122,064	40,953,934	435,714,412	402,185,104	17,878	14,468,151	393,679,772	73.7	50.2	35.6	83.5	86	14	43	91
	洮南鉄道	144,556,918	87,522	10,362,418	134,031,975	104,580,953	4,874	3,838,202	98,775,324	74.2	58.8	36.8	85.1	72	4	41	77
	大賚子鉄道	56,237,955	47,751	3,548,999	52,191,205	37,681,602	—	2,027,232	35,754,020	80.1	58.0	28.7	99.6	67	—	34	74
	平梅鉄道	153,350,800	5,128	5,960,804	99,381,768	81,890,496	2,491	3,468,110	78,307,981	77.4	51.8	29.6	88.9	78	4	42	78
	京通鉄道	956,782,060	11,016,229	84,155,174	861,150,865	674,190,161	934,345	42,443,144	631,113,732	78.1	36.0	37.7	88.5	70	6	38	76
	鶴敦鉄道	7,770,252	—	3,451	7,766,801	4,333,576	37	3,017	4,317,577	91.5	—	62.5	91.5	56	—	113	56
	京図鉄道	43,421,298	—	2,731,175	43,311,151	32,990,535	481	796,431	31,835,262	72.8	—	29.4	81.4	82	—	39	82
	吉図鉄道	17,901,697	—	516,534	17,165,261	15,833,944	—	627,868	17,575,076	73.2	—	29.4	77.6	101	—	77	102
	延吉鉄道	9,365,077	1,232	596,031	8,767,845	4,333,757	96	105,084	4,228,604	70.5	58.7	31.9	80.8	46	9	18	48

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1. Total seating capacity--km
2. 1st class
3. 2nd class
4. 3rd class
5. Total passenger--km
6. 1st class
7. 2nd class
8. 3rd class
9. Average seating capacity of a passenger car
10. 1st class
11. 2nd class
12. 3rd class
13. Percentage of utilization of passenger cars
14. 1st class
15. 2nd class
16. 3rd class
17. Mu-tan-chiang Bureau
18. Harbin Bureau
19. Taitsihar Bureau
20. Mojin Bureau

Utilization of Passenger Cars during Fiscal Year 1942

187. 客車利用成績（局別）

局別	座席キロ 計	座席キロ 1等	座席キロ 2等	座席キロ 3等	人キロ 計	人キロ 1等	人キロ 2等	人キロ 3等	平均座席数 計	平均座席数 1等	平均座席数 2等	平均座席数 3等	利用率 計	利用率 1等	利用率 2等	利用率 3等
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
11 総局直轄運転計	2,904,422,207	25,014,725	253,041,228	2,245,376,344	130,501,654	1,415,228	80,826,423	1,276,464,888	71.1	28.1	48.3	110.5	54	6	39	38
図們線	1,117,293,674	8,679,312	97,127,840	1,014,486,524	47,737,852	493,666	26,204,496	453,707,769	68.0	30.8	46.4	111.4	40	6	28	36
興安線	115,181,227	149,481	4,191,126	110,840,734	51,145,377	9,486	1,851,941	49,238,951	76.2	39.6	32.2	130.8	66	6	28	32
虎林線	209,033,307	4,483,736	32,662,278	201,887,473	192,723,531	151,726	12,219,739	180,459,737	70.2	34.6	46.2	108.6	32	3	27	32
四尚線	4,375,214		8,952	4,366,262	2,053,364	—	15,660	2,037,401	62.6	—	46.0	99.1	48	—	26	46
梅興線	34,434,434	11,880	4,760,132	31,662,054	18,411,998	78	1,201,324	15,141,249	74.7	37.5	49.6	114.7	36	4	36	36
綏佳線	32,731,521	24,152	2,331,844	32,965,695	13,344,906	1,862	526,179	12,816,355	80.5	39.1	46.1	102.5	40	4	30	40
新京線	63,294,081	1,443,324	8,566,721	52,863,036	18,791,324	28,642	1,254,018	16,298,664	68.1	39.8	51.2	109.2	32	3	16	32
四新線	737,459,393	13,191,014	82,394,223	661,874,174	386,280,325	713,586	25,978,922	359,587,717	72.8	34.2	53.9	110.9	52	5	32	54
新佳線	8,535,926	2,823	1,104,124	7,428,982	8,971,724	1,488	667,381	8,302,854	73.8	28.2	49.3	115.2	108	68	62	118
18 哈爾濱鉄道局計	3,016,865,960	35,573,888	323,804,408	2,657,490,415	2,286,350,570	5,403,271	146,535,205	2,134,334,212	79.1	29.6	47.6	86.9	75	15	45	78
拉濱線	170,673,407	43,095	13,744,113	157,186,199	154,334,181	1,852	4,599,373	149,733,056	72.5	21.9	34.0	82.3	77	4	36	68
京濱線	1,072,804,152	21,930,725	124,588,742	916,370,335	895,327,299	4,115,814	70,060,414	821,142,871	80.2	29.6	40.0	88.7	83	19	32	93
濱綏線	341,544,525	2,810,464	22,874,099	315,859,932	220,182,324	222,295	13,673,795	224,687,267	75.6	24.6	37.6	98.0	72	4	41	71
濱北線	373,476,184	4,316,512	43,976,695	324,979,978	311,619,122	456,342	15,983,533	292,179,245	77.8	28.5	52.0	95.4	82	18	48	77
濱佳線	89,783,776	1,272,267	9,018,546	79,542,163	28,633,567	12,016	1,241,411	27,379,645	77.5	24.9	49.0	94.6	32	—	16	36
濱北線	493,337,403	2,721,196	49,563,633	441,072,784	377,192,727	441,278	21,286,814	355,462,933	77.0	19.4	43.0	97.0	74	14	44	88
新佳線	341,565,817	27,326	21,938,336	315,622,165	167,248,117	10,223	7,953,510	152,304,384	77.0	24.1	39.0	97.0	69	22	31	79
北鉄線	234,472,503	2,564,374	23,459,369	208,448,930	123,211,203	203,226	8,736,436	111,209,466	78.0	20.2	44.0	97.0	51	5	34	61
19 齊齊哈爾鉄道局計	2,022,005,107	7,439,738	151,437,011	1,863,077,458	1,181,457,575	450,125	69,026,730	1,139,010,716	76.7	25.6	35.7	85.3	58	6	25	65
齊克線	387,648,378	6,821,992	42,820,970	338,107,016	193,713,999	344,662	13,370,611	177,996,726	71.7	26.8	43.3	80.8	48	5	28	60
齊北線	224,363,289	49,699	18,704,244	205,589,444	133,271,813	2,697	5,113,310	125,155,831	81.5	29.6	34.9	91.5	58	4	22	64
拜富線	118,364,823	49,897	7,670,283	110,644,643	72,243,277	187	2,033,402	69,209,694	78.1	41.5	28.1	89.2	44	—	20	49
平齊線	535,106,175	386,844	62,138,663	465,580,671	401,857,064	86,419	21,741,045	380,029,966	77.8	26.7	33.2	80.2	65	22	35	63
富白線	192,014,812	57,274	6,548,482	185,289,056	119,143,356	1,684	4,063,876	115,057,752	80.3	43.0	36.0	86.6	63	38	62	65
白牡線	162,453,930	100,837	12,618,526	149,734,548	66,092,809	11,345	2,474,948	63,606,884	72.0	40.4	33.8	77.6	41	11	25	45
龍關線	10,853,520	6,750	816,601	10,132,170	8,045,208	1,171	366,537	7,674,692	72.2	40.9	37.3	78.2	79	36	63	76
20 牡鹿鉄道局計	385,076,803	5,364,125	33,177,882	341,534,815	192,254,920	69,738	5,352,555	164,433,606	82.6	36.2	54.4	96.2	48	2	15	49
北部西部線	77,097,424	7,632	7,009,704	70,080,088	33,533,531	23,017	2,254,515	31,149,014	84.4	43.4	54.8	91.8	46	—	34	72
北部東部線	273,397,573	4,814,823	25,295,776	243,342,573	89,749,516	44,288	2,813,341	96,466,992	87.5	36.3	54.4	97.2	36	1	11	54
綜	34,641,806	501,682	2,868,362	31,201,712	9,006,852	4,433	284,804	9,817,612	91.2	36.2	54.4	100.0	36	1	44	36

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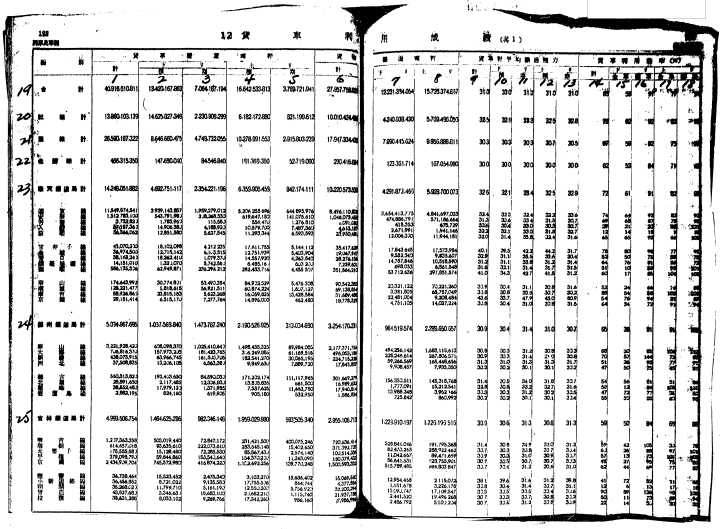
Utilization of Freight Cars during Fiscal Year 1942

1. Total freight car loading capacity km
2. Outbound, loaded
3. Outbound, empty
4. Inbound, loaded
5. Inbound, empty
6. Total MT--Km
7. Outbound
8. Inbound
9. Average freight car load capacity
10. Outbound, loaded
11. Outbound, empty
12. Inbound, loaded
13. Inbound, empty
14. Freight car utilization percentage
15. Outbound, all cars
16. Outbound, loaded cars only
17. Inbound, all cars
18. Inbound, loaded cars only
19. Total
20. SMR's lines
21. National lines
22. North Korea lines
23. Mukden Bureau
24. Chin-chou Bureau
25. Kirin Bureau



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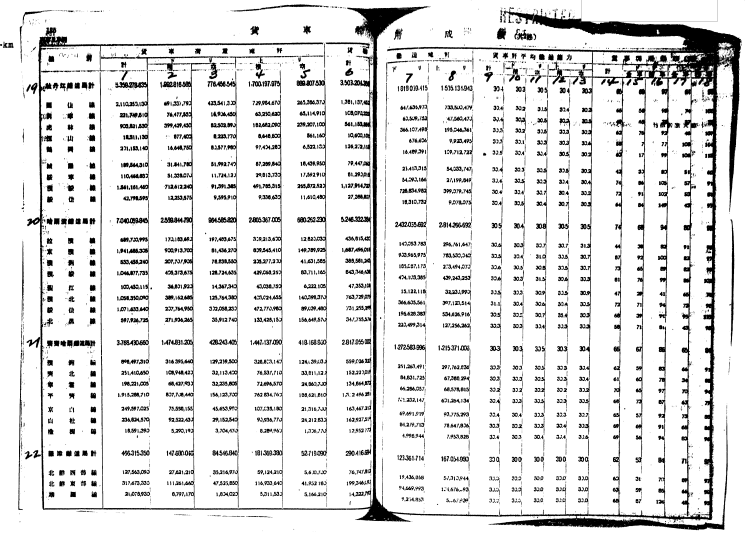
Utilization of Freight Cars during Fiscal Year 1942

1. Total freight car loading capacity--km
2. Outbound, loaded
3. Outbound, empty
4. Inbound, loaded
5. Inbound, empty
6. Total MT--km
7. Outbound
8. Inbound
9. Average freight car load capacity
10. Outbound, loaded
11. Outbound, empty
12. Inbound, loaded
13. Inbound, empty
14. Freight car utilization percentage
15. Outbound, all cars
16. Outbound, loaded cars only
17. Inbound, all cars
18. Inbound, loaded cars only
19. Mu-tan-chiang Bureau
20. Harbin Bureau
21. Taitsihar Bureau
22. Najin Bureau



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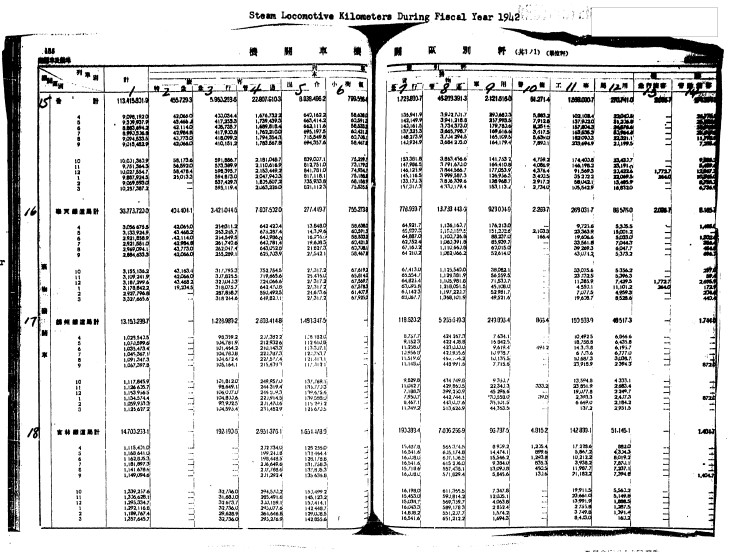
Steam Locomotive Kilometers During Fiscal Year 1942

1. Total steam locomotive -KM
2. For special express passenger trains
3. For express passenger trains
4. For ordinary passenger trains
5. For mixed trains
6. For baggage trains
7. For express freight trains
8. For ordinary freight trains
9. For military trains
10. For guard trains
11. For engineering trains
12. For SMR's own trains
13. For unscheduled express passenger trains
14. For unscheduled ordinary passenger trains
15. Total
16. Mukden Bureau
17. Chin-chou Bureau
18. Kirin Bureau



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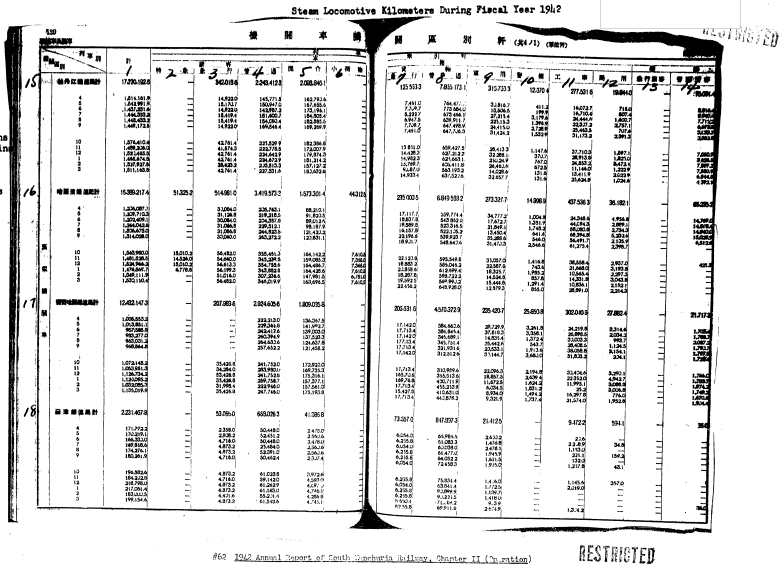
1. Total steam locomotive-KM
2. For special express passenger trains
3. For express passenger trains
4. For ordinary passenger trains
5. For mixed trains
6. For baggage trains
7. For express freight trains
8. For ordinary freight trains
9. For military trains
10. For guard trains
11. For engineering trains
12. For SMR's own trains
13. For unscheduled express passenger trains
14. For unscheduled ordinary passenger trains
15. Mu-tan-chiang Bureau
16. Harbin Bureau
17. Tsitsihar Bureau
18. Hsin Bureau

Steam Locomotive Kilometers During Fiscal Year 1942



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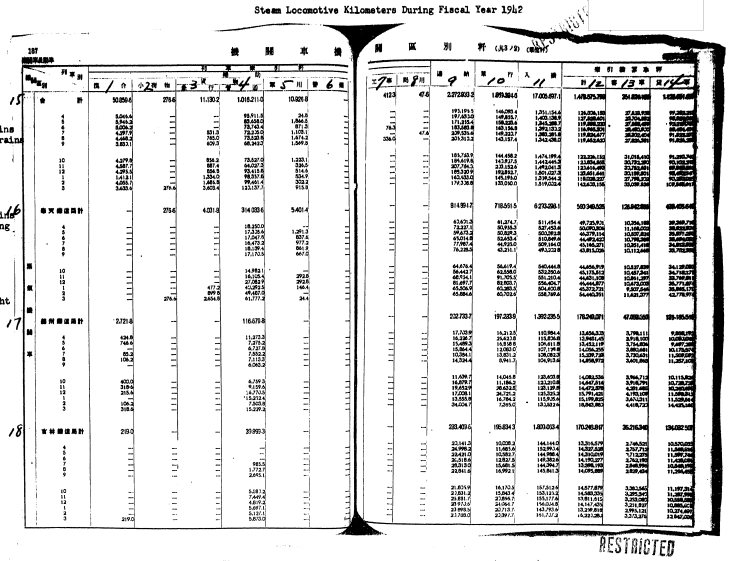
Steam Locomotive Kilometers During Fiscal Year 1942

1. For unscheduled mixed trains
2. For unscheduled baggage trains
3. For unscheduled express freight trains
4. For unscheduled ordinary freight trains
5. For unscheduled military trains
6. For unscheduled guard trains
7. For unscheduled engineering trains
8. For unscheduled SMR's own trains
9. For connecting cars
10. For returning
11. For switching
12. Total passenger and freight car-KM
13. Passenger-KM
14. Freight car-KM
15. Total
16. Mukden Bureau
17. Chin-chou Bureau
18. Kirin Bureau



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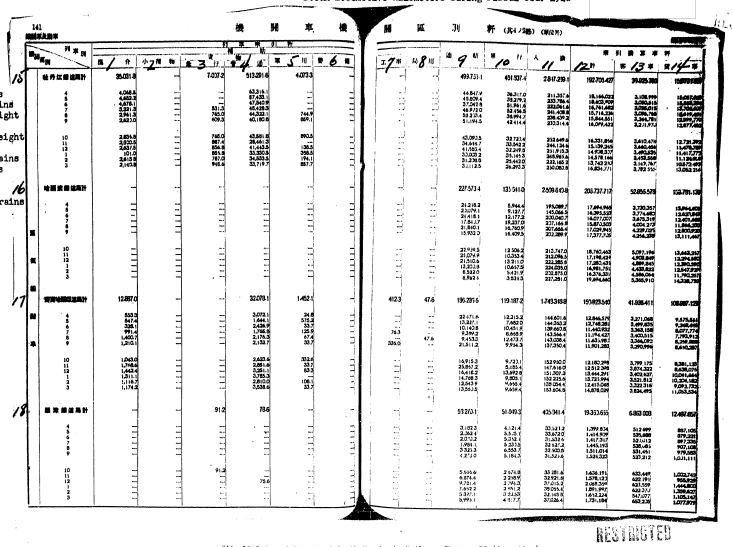
Steam Locomotive Kilometers During Fiscal Year 1942

1. For unscheduled mixed trains
2. For unscheduled baggage trains
3. For unscheduled express freight trains
4. For unscheduled ordinary freight trains
5. For unscheduled military trains
6. For unscheduled guard trains
7. For unscheduled engineering trains
8. For unscheduled SMR's own trains
9. For connecting cars
10. For returning
11. For switching
12. Total passenger and freight car-KM
13. Passenger car-KM
14. Freight car-KM
15. Mu-tan-chiang Bureau
16. Harbin Bureau
17. Taitsihar Bureau
18. Najin Bureau



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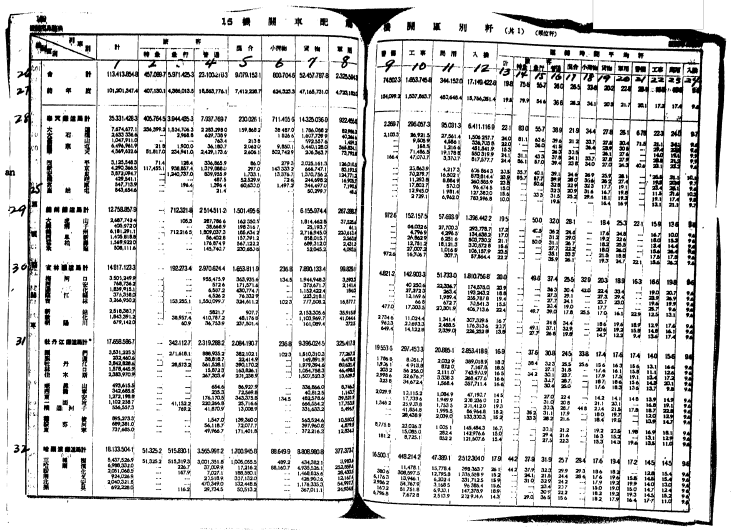
Locomotive Kilometers by Bureaus and by Months During Fiscal Year 1942

1. Total locomotive-kilometer
2. For special express trains
3. For express trains
4. For ordinary passenger trains
5. For mixed trains
6. For baggage trains
7. For freight trains
8. For military trains
9. For guard trains
10. For engineering trains
11. For SMR's own trains
12. For switching
13. Average kilometers traveled per an operational hour
14. By special express trains
15. By express trains
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Steam locomotives
26. Total for 1942
27. Total for 1941
28. Mukden Bureau
29. Chin-chou Bureau
30. Kirin Bureau
31. Mu-tan-chiang Bureau
32. Harbin Bureau



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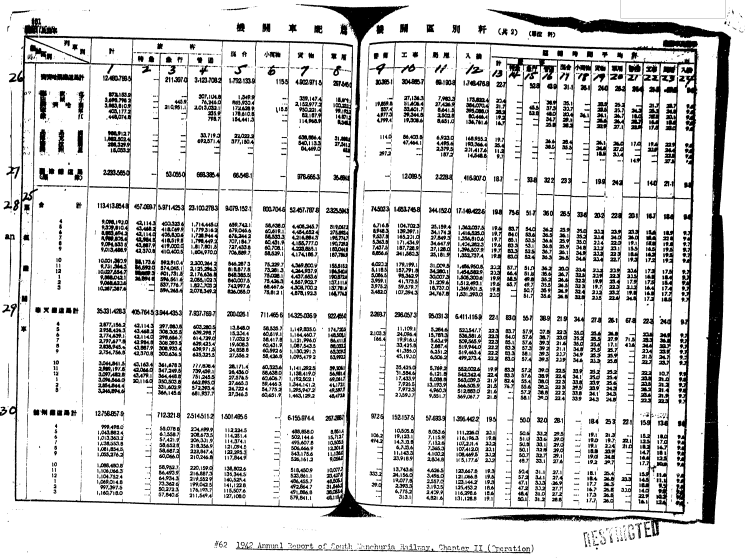
1. Total locomotive-kilometer
2. For special express trains
3. For express trains
4. For ordinary passenger trains
5. For mixed trains
6. For baggage trains
7. For freight trains
8. For military trains
9. For guard trains
10. For engineering trains
11. For SMR's own trains
12. For switching
13. Average kilometers traveled per an operational hour
14. By special express trains
15. By express trains
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Steam locomotives
26. Tsitsihar Bureau
27. Najin Bureau
28. Total
29. Mukden Bureau
30. Chin-chou Bureau

Locomotive-Kilometers by Bureaus and by Months During Fiscal Year 19[illegible]



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Locomotive-Kilometers by Bureaus and by Months During Fiscal Year 1942

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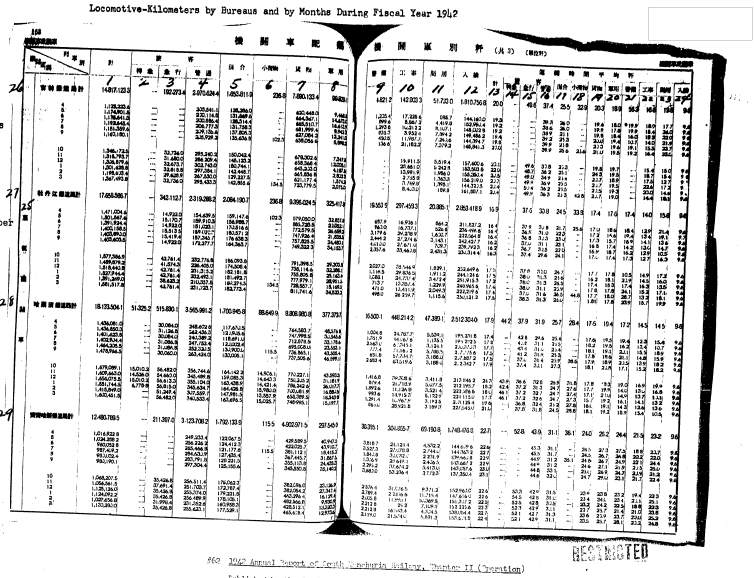
7. For freight trains
8. For military trains
9. For guard trains
10. For engineering trains
11. For SMR's own trains
12. For switching
13. Average kilometers traveled per an operational hour
14. By special express trains
15. By express trains
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Steam locomotives
26. Kirin Bureau
27. Mu-tan-chiang Bureau
28. Harbin Bureau
29. Tsitsihar Bureau



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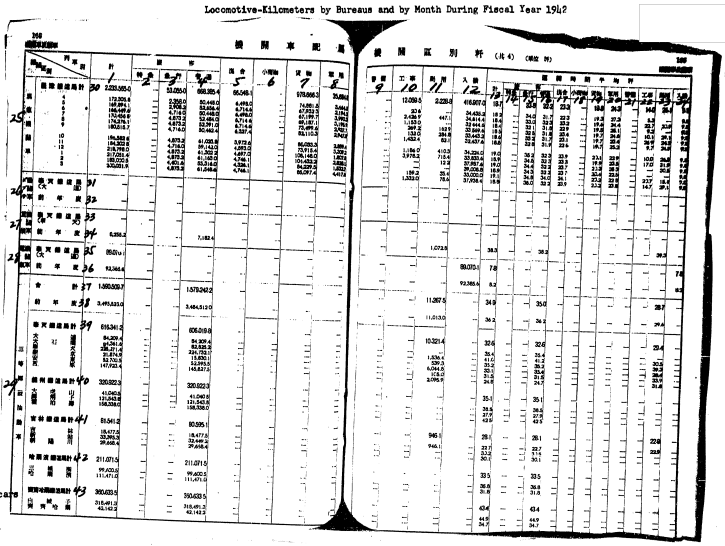
Locomotive-Kilometers by Bureaus and by Month During Fiscal Year 1942



1. Total locomotive-kilometer
2. For special express trains
3. For express trains
4. For ordinary passenger trains
5. For mixed trains
6. For baggage trains
7. For freight trains
8. For military trains
9. For guard trains
10. For engineering trains
11. For SMR's own trains
12. For switching
13. Average kilometers traveled per an operational hour
14. By special express trains
15. By express trains
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Steam locomotives
26. "Dahusa" locomotives
27. Diesel locomotives
28. Electric locomotives
29. Third class gasoline cars
30. Najin Bureau
31. Mukden Bureau (Dairen)
32. 1941 figures
33. Mukden Bureau (Mukden)
34. 1941 figures
35. Mukden Bureau (Dairen)
36. 1941 figures
37. Total for third class gasoline cars
38. 1941 figures
39. Mukden Bureau
40. Chin-chou Bureau
41. Kirin Bureau
42. Harbin Bureau
43. Taitsehar Bureau

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Locomotive-Kilometers by Bureaus and by Months During Fiscal Year 1942

1. Total locomotive-kilometer
2. For special express trains
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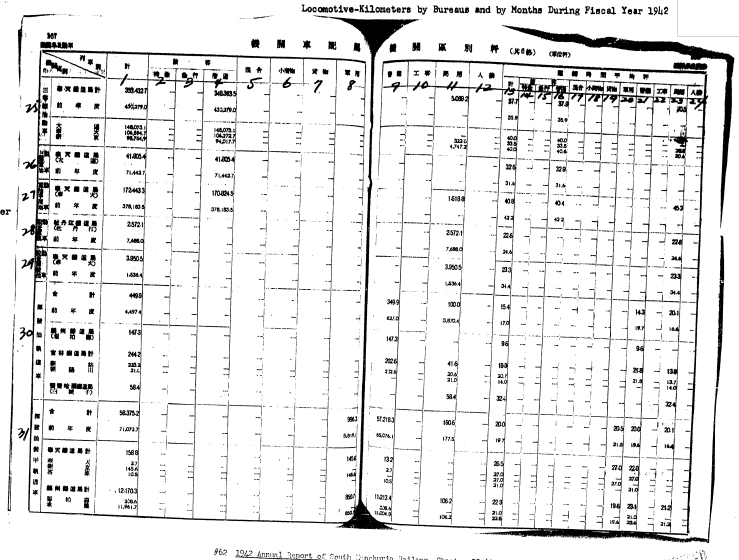
6. For baggage trains
7. For freight trains
8. For military trains
9. For guard trains
10. For engineering trains
11. For SMR's own trains
12. For switching
13. Average kilometers traveled per an operational hour
14. By special express trains
15. By express trains
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Third class gasoline cars
26. Third class diesel cars
27. Diesel baggage cars
28. Inspectors steam cars
29. Inspectors gasoline cars
30. Gasoline railcar
31. Gasoline armored cars



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9. For guard trains
10. For engineering trains
11. For SMR's own trains
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13. Average kilometers traveled per an operational hour
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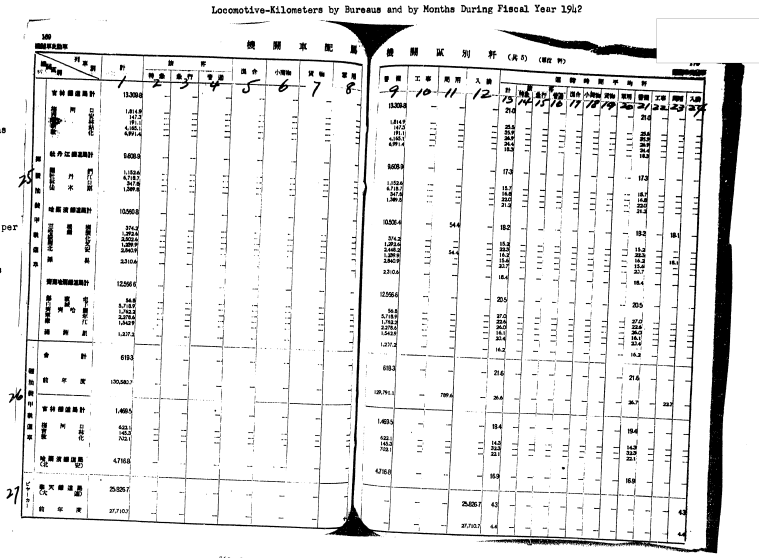
16. By ordinary passenger trains
17. By mixed trains
18. By baggage trains
19. By freight trains
20. By military trains
21. By guard trains
22. By engineering trains
23. By SMR's own trains
24. By switching locomotives
25. Gasoline armored cars
26. Kerosene armored cars
27. Trailers



#63 1942 Annual Report of South Manchuria Railway, Chapter II (Operation)

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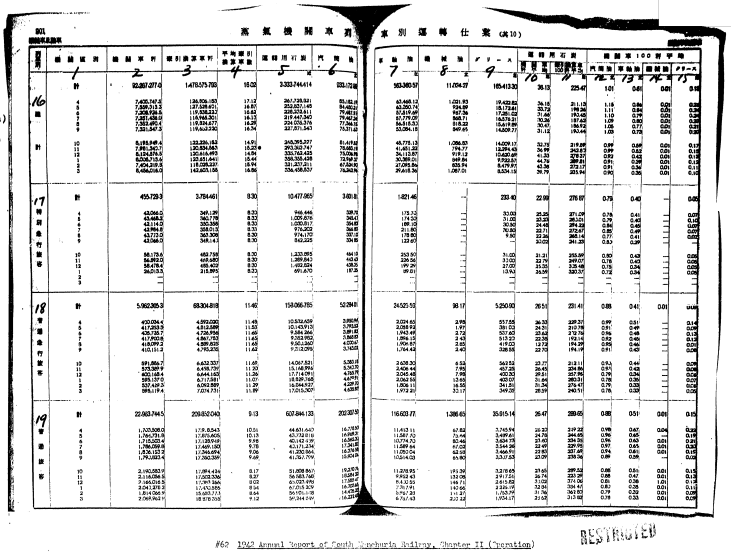
Utilization of Steam Locomotives by Types of Trains and Consumption of Coal and Lubricating Oil by Locomotives

1. Months (Fiscal Year 1942)
2. Locomotive--km
3. Calculated car--km
4. Average number of cars per locomotive
5. Coal consumption (kg)
6. Cylinder oil consumption (liters)
7. Axle oil consumption (liters)
8. Machine oil consumption (liters)
9. Grease consumption (kg)
10. Average coal consumption per kilometer (kg)
11. Average coal consumption per 100 km (kg)
12. Average consumption of cylinder oil per 100 km (liters)
13. Average consumption of axle oil per 100 km (liters)
14. Average consumption of machine oil per 100 km (liters)
15. Average consumption of grease per 100 km (kg)
16. Total
17. By special express passenger trains
18. By express passenger trains
19. By ordinary passenger trains



#62 1942 Annual Report of South Manchuria Railway, Chapter II (Operation)

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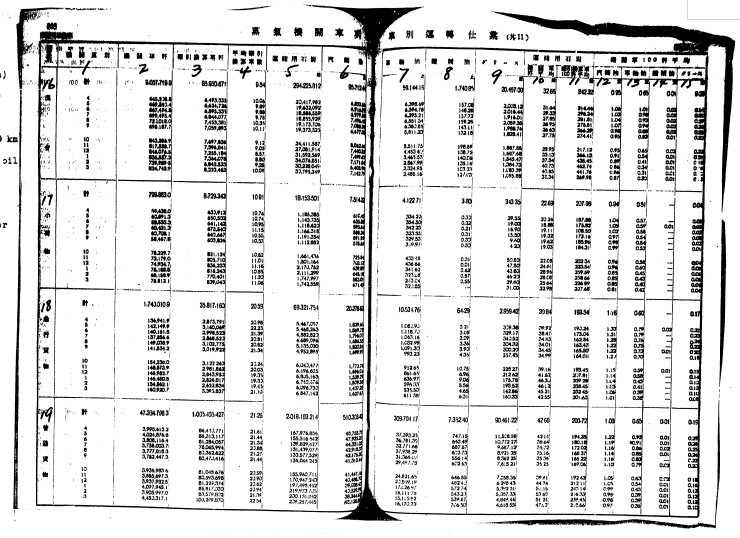
3. Calculated car-km
4. Average number of cars per locomotive
5. Coal consumption (kg)
6. Cylinder oil consumption (liters)
7. Axle oil consumption (liters)
8. Machine oil consumption (liters)
9. Grease consumption (kg)
10. Average coal consumption per kilometer (kg)
11. Average coal consumption per 100 km (kg)
12. Average consumption of cylinder oil per 100 km (liters)
13. Average consumption of axle oil per 100 km (liters)
14. Average consumption of machine oil per 100 km (liters)
15. Average consumption of grease per 100 km (kg)
16. By mixed trains
17. By baggage trains
18. By express freight trains
19. By ordinary freight trains



#60 1942 Annual Report of South Manchuria Railway, Chapter II (Operation) RESTRICTED

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Utilization of Steam Locomotives by Types of Trains, and Consumption of Coal and Lubricating Oil by Locomotives

1. Months (fiscal year 1942)
2. Locomotive-kilometer
3. Calculated car-kilometer
4. Average number of cars per locomotive
5. Coal consumption (kilogram)
6. Cylinder oil consumption (liter)
7. Axle oil consumption (liter)
8. Machine oil consumption (liter)
9. Grease consumption (kilogram)
10. Average coal consumption per kilometer (kilogram)
11. Average coal consumption per 100 kilometers (kilogram)
12. Average consumption of cylinder oil per 100 kilometers (liter)
13. Average consumption of axle oil per 100 kilometers (liter)
14. Average consumption of machine oil per 100 kilometers (liter)
15. Average consumption of grease per 100 kilometers (kilogram)
16. By military trains
17. By guard trains
18. By engineering trains
19. By SMR's own trains

蒸氣機關車負擔別運轉仕業 (其1號)

月別		機關車數	機關車粁	客車粁	平均客車數	瓦斯粁	汽缸油	車軸油	機械油	グリース	瓦斯粁100粁平均 瓦斯粁	汽缸油	車軸油	機械油	グリース
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16 軍	計		2,032,540.0	40,089,005	19.80	78,130,830	24,960.74	14,983.05	87.42	3,006.50	387.11	127.34	1.16	0.70	14	0.00
	4		293,705.1	6,253,405	21.37	11,005,645	3,648.92	2,444.85	8.44	448.81	37.84	175.23	1.52	0.84	0.00	0.00
	5		258,660.0	5,767,049	22.30	9,981,267	3,218.62	2,148.40	9.18	384.77	34.72	142.18	1.27	0.83	0.00	0.00
	6		310,978.9	6,981,139	21.85	9,986,654	3,184.24	1,453.30	8.76	403.14	30.10	102.89	1.01	0.82	0.00	0.00
	7		183,975.7	3,587,249	19.50	6,412,077	1,988.24	1,204.52	6.52	370.19	31.22	109.82	1.17	0.82	0.00	0.00
	8		185,765.1	3,525,364	18.97	6,412,077	1,988.24	1,204.52	6.52	370.19	32.65	166.85	1.16	0.82	0.00	0.00
	9		183,749.2	3,045,893	16.58	5,470,250	1,844.4	1,355.99	5.74	304.10	30.02	179.61	1.48	0.68	0.00	0.00
月	10		142,974.5	2,415,288	16.89	5,324,127	1,484.89	1,021.32	5.01	279.64	37.24	283.43	1.04	0.73	0.00	0.00
	11		164,787.1	2,873,541	17.81	6,629,811	1,834.8	1,031.58	5.34	299.11	39.54	214.17	1.08	0.62	0.00	0.00
	12		177,285.8	3,284,764	18.52	7,671,750	2,134.2	1,356.19	6.63	311.74	43.30	260.33	1.18	0.65	0.00	0.00
	1		187,695.5	3,596,374	19.16	8,459,715	1,824.4	1,455.71	6.74	345.62	40.38	225.54	0.92	0.40	0.00	0.00
	2		180,276.8	3,371,371	18.70	8,459,715	1,824.4	498.81	6.74	345.62	40.38	225.54	0.92	0.40	0.00	0.00
	3		194,028.2	3,478,401	16.09	8,018,116	1,483.8	576.63	0.19	130.84	39.05	241.16	0.86	0.37	0.00	0.00
17 軍	計		61,271.4	275,902	4.50	1,914,202	134.8	1,422.45	7.10	336.68	31.24	688.62	2.18	2.32	0.01	0.00
	4		5,883.2	21,434	4.35	191,093	13.21	163.00	0.91	31.92	33.48	746.19	2.53	2.71	0.01	0.00
	5		7,913.8	32,193	4.15	278,286	18.8	188.45	0.72	28.42	34.47	620.61	2.24	2.38	0.01	0.00
	6		8,014.8	33,617	4.06	260,251	16.83	170.50	1.72	48.48	34.21	844.99	1.89	2.37	0.02	0.00
	7		5,898.6	23,837	4.04	197,716	13.2	155.00	0.84	31.16	33.45	695.44	1.68	2.02	0.01	0.00
	8		5,888.0	24,822	4.21	197,716	13.2	155.00	0.84	31.16	33.45	695.44	1.68	2.02	0.01	0.00
	9		7,890.1	33,209	4.21	274,743	18.62	163.0	0.42	42.67	34.97	611.48	1.68	2.71	0.01	0.00
軍	10		4,728.2	20,482	4.34	146,532	14.12	144.10	0.61	34.02	31.04	729.85	3.04	3.05	0.01	0.00
	11		4,854.7	21,004	4.34	141,852	9.62	71.80	0.30	18.03	34.71	685.80	1.81	1.76	-	0.00
	12		3,403.5	14,578	4.32	101,218	6.83	69.70	0.08	14.28	32.46	709.74	1.92	1.28	-	0.00
	1		2,911.2	13,016	4.48	93,351	6.32	71.11	0.29	15.68	34.52	1,118.75	1.98	2.28	0.01	0.00
	2		2,724.0	14,163	5.18	75,621	4.24	44.30	0.17	9.54	28.96	674.74	2.05	2.44	0.01	0.00
	3											838.18	1.67	1.93		0.00
18 工	計		1,985,320.0	19,121,927	12.04	65,805,918	21,659.82	17,482.02	259.35	4,018.36	41.42	344.14	1.36	1.10	0.01	0.00
	4		152,109.4	1,251,927	10.68	4,617,745	1,328.72	1,879.03	24.25	449.93	49.24	417.37	1.67	1.44	0.02	0.00
	5		167,833.3	1,654,563	12.20	5,662,945	2,012.3	2,078.47	33.53	539.02	50.83	510.01	1.97	1.55	0.01	0.00
	6		167,634.3	2,039,297	13.32	5,662,945	2,012.3	2,078.47	33.53	539.02	50.83	510.01	1.97	1.55	0.01	0.00
	7		165,611.6	2,537,741	14.34	6,238,297	2,448.6	2,316.61	31.82	498.17	39.07	387.74	1.43	1.43	0.01	0.00
	8		159,050.5	2,328,579	12.79	6,543,647	2,644.2	2,431.06	27.01	539.78	37.49	291.22	1.45	1.34	0.01	0.00
	9		154,050.0	2,057,348	13.13	6,443,374	2,344.2	2,360.16	24.65	705.10	34.05	307.39	1.34	1.08	0.01	0.00
軍	10		174,472.8	2,224,332	11.92	6,562,542	2,187.8	1,844.53	20.39	477.50	29.26	261.47	1.27	0.89	0.01	0.00
	11		144,796.2	1,682,173	11.62	4,720,867	1,251.8	1,284.63	25.30	387.31	32.61	265.04	1.25	0.86	0.01	0.00
	12		91,648.5	987,674	9.81	4,624,413	1,188.8	622.47	29.62	189.72	50.41	615.6	1.27	0.64	0.03	0.00
	1		56,232.8	563,134	10.02	2,072,225	468.8	372.11	3.23	70.93	36.87	184.92	1.32	0.71	0.01	0.00
	2		52,043.1	591,689	11.37	2,128,748	477.8	383.42	8.68	101.28	34.48	320.32	1.16	0.64	0.02	0.00
	3		110,243.9	1,222,994	11.09	4,853,607	1,178.8	587.17	7.84	186.12	43.77	284.98	1.21	0.56	0.01	0.00
19 機	計		270,788.0	1,144,979	4.23	10,520,240	3,824.8	2,025.77	79.90	720.03	39.22	327.55	1.42	1.08	0.02	0.27
	4		22,040.5	149,215	6.77	856,212	316.8	241.8	9.34	101.28	38.81	573.63	1.79	1.43	0.04	0.00
	5		21,224.8	116,221	5.72	1,021,241	412.8	232.24	7.65	72.01	51.61	845.53	1.54	1.12	0.03	0.00
	6		24,014.4	83,650	3.47	935,231	348.8	232.1	14.83	73.34	34.84	1,054.53	1.55	1.52	0.06	0.00
	7		23,563.1	100,553	4.26	1,104,221	412.8	198.01	13.6	109.86	34.04	932.44	1.68	1.38	0.06	0.00
	8		23,549.1	97,334	4.13	1,104,221	412.8	198.01	13.6	109.86	34.04	932.44	1.68	1.38	0.06	0.00
	9		23,199.2	81,084	3.49	797,847	297.8	199.75	10.15	54.27	31.03	690.45	1.29	0.93	0.03	0.00
月	10		23,453.7	84,415	3.60	880,844	328.8	214.13	1.11	120.98	37.93	1,052.97	1.29	0.91	-	0.00
	11		23,191.0	84,317	3.64	1,007,641	376.8	174.87	0.47	52.07	47.45	1,197.13	1.40	0.84	-	0.00
	12		23,322.6	87,340	3.75	1,007,641	376.8	174.87	2.85	21.65	47.27	1,147.12	1.34	0.74	0.01	0.00
	1		23,560.6	89,305	4.05	918,545	340.8	153.71	1.15	21.65	42.99	1,019.91	1.28	0.86	-	0.00
	2		23,455.5	98,231	4.53	843,237	317.8	172.11	0.42	18.31	43.78	1,048.83	1.53	0.85	0.01	0.00
	3		24,832.0	76,099	4.54	671,832	251.8	129.43	0.26	16.54	34.74	742.24	1.70	0.77	-	0.00

#62 1942 Annual Report of South Manchuria Railway, Chapter II (Operation)

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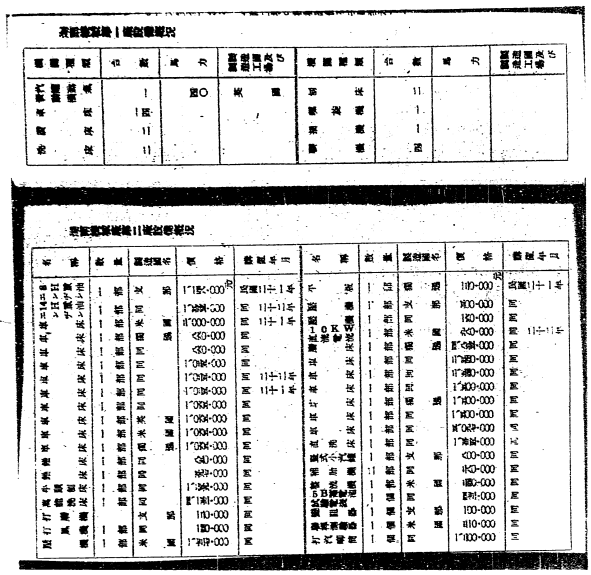

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Production Machinery At The Honan Number One Machinery Plant

Type	Number
Steam engine (40 horsepower)	1
Lathes	14
Drilling machines	2
Shaping machines	2
Screw cutting machines	1
Press	1
Other machinery	6

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Production Machinery At The Honan Number Two Machinery Plant

Type	Number
Diesel engine (8 horsepower)	1
Diesel engine (14 horsepower)	1
Lathes	17
Shaping machines	1
Grinding machines	2
Presses	3
Other machinery	11

Investigation Report on Principal Industrial Plants in Chang-sha. Published by the Committee for Collection of Data for Reconstruction of Central China. December 1940

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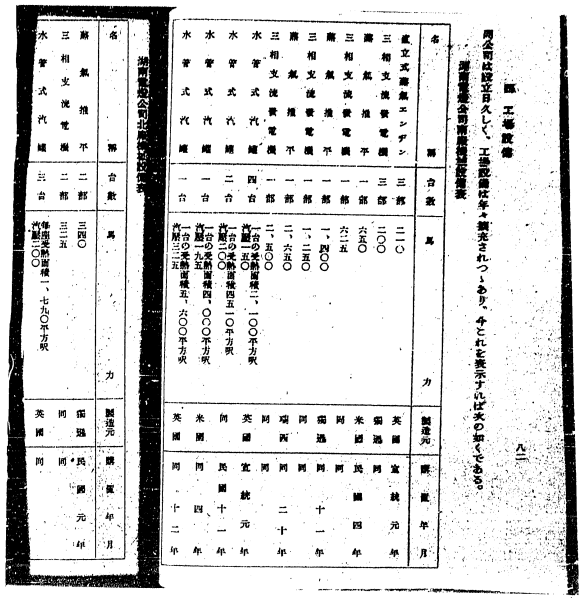

第一工場設備

同会社は設立日久しく、工場設備は年々補充されつゝあり、今これを表示すれば次の如くである。

名称	台数	馬力	製造元	購置年月
直立式蒸気エンジン	三部	二一〇	英国	宣統元年
三相交流誘導電動機	三部	二〇〇	独逸	同 十一年
蒸気槌	一部	六〇	米国	民国四年
三相交流誘導電動機	一部	六二五	同	同
蒸気槌	一部	一、四〇〇	独逸	同 十一年
三相交流誘導電動機	一部	一、一二五	同	同
蒸気槌	一部	二、六五〇	瑞西	同 二十年
三相交流誘導電動機	一部	二、五〇〇	同	同
水管式汽罐	四台	一台の受熱面積二、一〇〇平方呎	英国	宣統元年
水管式汽罐	二台	一台の受熱面積四五一〇平方呎 一台の受熱面積三、〇〇〇平方呎	同	民国十一年
水管式汽罐	一台	一台の受熱面積四、〇〇〇平方呎	米国	同 四年
水管式汽罐	一台	一台の受熱面積五、二〇〇平方呎	英国	同 十二年

名称	台数	馬力	製造元	購置年月
蒸気槌	二部	三四〇	独逸	宣統元年
三相交流電動機	二部	三二五	同	同
水管式汽罐	三台	各所受熱面積一、七六〇平方呎 内一台二〇〇	英国	同

Report on
Coal Cutter and Related Equipment Used in Tsao-chia, Prepared
by The Committee for Collecting Data for Reconstruction of
Coal China, Canadian Jour. (Jan. 1919)

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Machinery At The Honan South Power Plant

Type	Number	Horsepower	Manufactured by	Installed
Vertical steam engine	3	210	Britain	1908
Three-phase AC generator	3	200	Germany	1908
Steam turbine	1	650	United States	1915
Three-pahse AC generator	1	625	United States	1915
Steam turbine	1	1400	Germany	1922
Three-phase AC generator	1	1250	Germany	1922
Steam turbine	1	2650	Switzerland	1932
Three-phase AC generator	1	2500	Switzerland	1932
Steam boiler	4	Pressure 150	Britain	1908
Steam boiler	2	Pressure 200	Britain	1922
Steam boiler	1	Pressure 195	United States	1915
Steam boiler	1	Pressure 325	Britain	1922

Machinery At The Honan North Power Plant

Type	Number	Horsepower	Manufactured by	Installed
Steam turbine	2	340	Germany	1911
Three-phase AC generator	2	325	Germany	1911
Steam boiler	3	Pressure 200	Britain	1911

Investigation Report on Principal Industrial Plants in Chang-sha. Published by the Committee for Collection of Data for Reconstruction of Central China. December 1940

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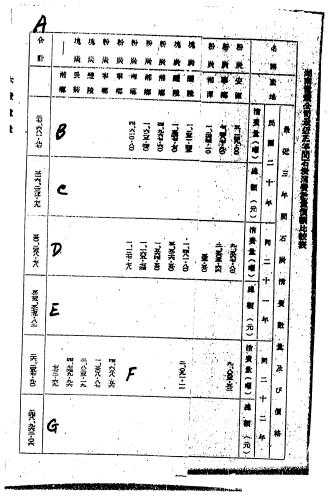

Consumption of Coal by the Honan Electric Company During 1931-1933

A. Total
B. 1931-Amount (tons)
C. 1931-Cost (yuan)
D. 1932-Amount (tons)
E. 1932-Cost (yuan)
F. 1933-Amount (tons)
G. 1933-Cost (yuan)

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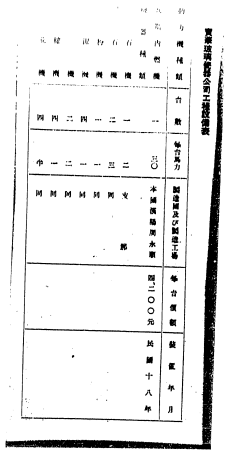

Installations at the
Pao-hua Pottery Company

Internal combustion engine (30 horsepower)	1
Stone crusher	1
Stone sorting machines	2
Pulverizing machine	1
Dirt sorting machines	4
Shape making machines	2
Ovens	4
Finishing machines	4

Report on
[illegible] Pao-hua Pottery Company in Chang-sha. Published
[illegible] for the pilot project for the reconstruction of

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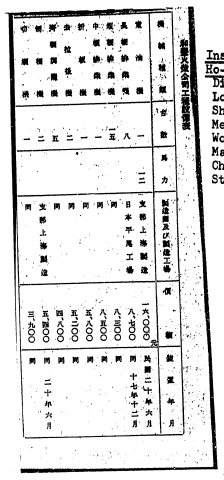

Installations at the Ho-Peng Match Factory

Diesel engine (12 horsepower)	1
Long match racks	8
Short match racks	15
Medium match rack	1
Wood bending machine	1
Match stick removing machines	2
Chemical mixing machines	5
Stick cutting machines	3

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Report on Investigation/and Principal Industrial Plants in Chang-sha. Published by the Committee for Collection of Data for Reconstruction of Central China. December 1945

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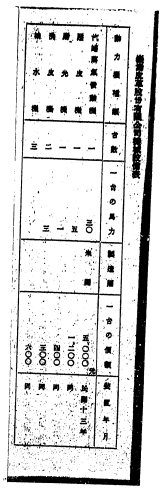

Installations at the Yueh-kao Leather Factory

Steam engine (30 horsepower)	1
Leather pressing machine	1
Leather polishing machine	1
Leather washing machines	2
Water pumps	3

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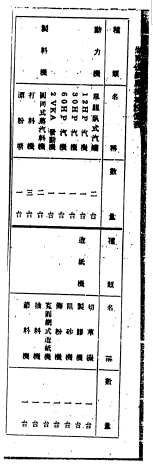

Installations at the Honan Paper Mill

Steam boilers	2
12-horsepower steam engine	1
30-horsepower steam engine	1
60-horsepower steam engine	1
2-KVA motor	1
Pulverizing machine	1
Bleaching machine	1
Cutting machine	1
Various paper making machines	6

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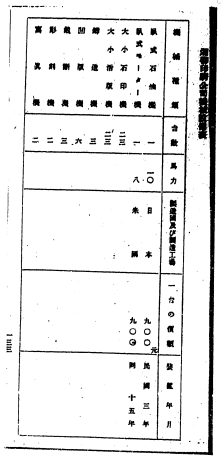

機械種類	台数	馬力	製造国及び製造年月	一台の価額	設置年月
石版印刷機	一	一〇	日本	九〇〇元	民国三十五年
大小活版印刷機	三	八	米国	九〇〇元	民国三十五年
製図機	二				
裁断機	二				
製本機	六				
写真機	二				

Installations at the Heiang-o Printing Company

Gasoline engine (10-horsepower)	1
Electric motor (8-horsepower)	1
Stone printing machines	23
Type-printing machines	23
Molding machines	3
Intaglio printing machines	6
Cutting machines	3
Design making machines	2
Cameras	2

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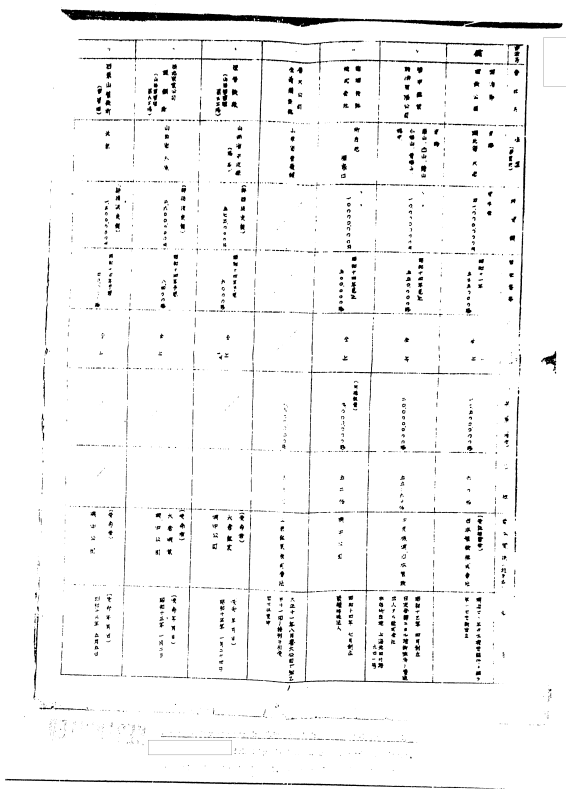

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Type of Mineral	Name of Company	Location	Amount of Investment	Annual Production	Deposits	Quality of Mineral	Name of Investor
Iron	Han-yeh-ping Company	Ta-yeh	41,000,000 yen	1936: 535,000 MT	10,500,000 MT	Iron: 60%	Japan Steel Company
Iron	Hua-chung Mining Company	Nan-shan	10,000,000 yen	1939 estimate 550,000 MT	20,000,000 MT	Iron: 55-60%	Chushi Development Company
Iron	Lung-yen Mining Company	Kalgan	10,000,000 yen	1939 estimate 500,000 MT	9,000,000 MT	Iron: 52%	Kochu Company
Iron	Lu-ta Company	Chin-ling-chen, Shantung			7,600,000 MT	Iron: 55%	Santo Mining Company
Iron	Pao-chin Ironworks	Yang-ch'uan	573,000 yen	1939 estimate 6,000 MT			Okura Mining Company, Kochu Company
Iron	Northwest Industrial Company's Ironworks	T'ai-yuan	2,600,000 yen	1939 estimate 8,400 MT			Okura Mining Company, Kochu Company
Iron	Shih-ching-shan Ironworks	Peiping	1,300,000 yen	1939 estimate 40,000 MT			Kochu Company
Coal	Shou-yang Coal Company	Shansi		1938: 16,300 MT	6,150,000 MT	Semi-anthracite	Kochu Company
Coal	Chung-hsing Coal Company	Tsao-chuang Shantung	10,000,000 yuan	1938: 445,907 MT	10,350,000 MT	Semi-anthracite	Kochu Company

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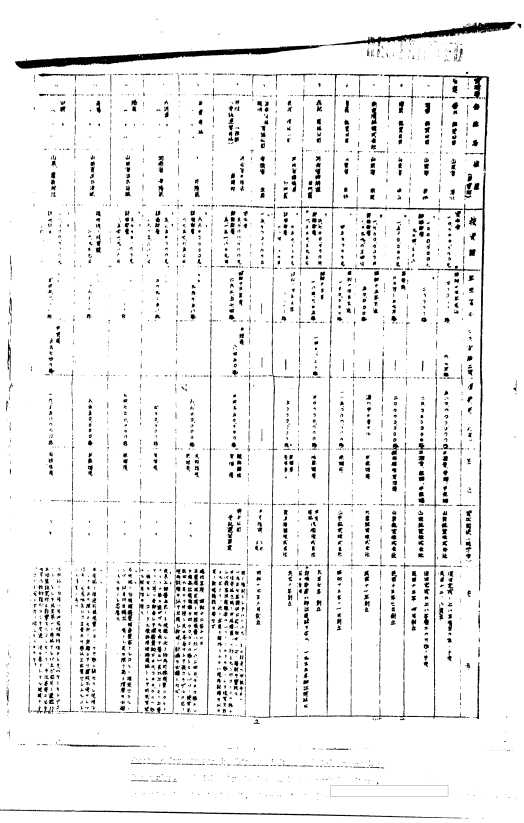

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Type of Mineral	Name of Company	Location	Amount of Investment	Annual Production	Deposit	Quality of Mineral	Name of Investor
Coal	Lu-ta Mining Company	Tzu-ch'uan, Shantung	10,000,000 yuan	1939 estimate: 400,000 MT	580,000,000 MT	Anthracite: Semi-anthracite	Santo Mining Company
Coal	Hsu-hua Mining Company	Chang-ch'iu, Shantung	1,000,000 yuan	1939 estimate: 20,000 MT	20,000,000 MT	Anthracite	Santo Mining Company
Coal	Po-tung Mining Company	Po-shan, Shantung	1,500,000 yuan	200,000-- 270,000 MT	20,000,000 MT	Bituminous	Santo Mining Company
Coal	Nan-ting Coal Company	Nan-ting Shantung	1,700,000 yen	1940: 50,000 MT		Semi-anthracite	Okura Mining Company
Coal	Kuan-chuang Mining Company	Cheng-ch'iu, Shantung	450,000 yuan	1939: 130,000 MT	115,000,000 MT	Anthracite	Santo Mining Company
Coal	T'ai-chi Coal Company	Shih-men-tsai, Hopeh	2,700,000 yen	1938: 184,725 MT	30,000,000 MT	Anthracite	Nisshi Shipping Company
Coal	Ch'ang-ch'eng Coal Company	Shih-men-tsai, Hopeh	750,000 yen	1939: 80,000 MT	5,000,000 MT	Anthracite	Toyo Development Company
Coal	Huai-nan Coal Company	Huai-nan, Anhwei	15,000,000 yen				Chushi Company
Coal	Ching-ching Coal Company	Ching-ching, Hopeh	5,000,000 yuan	1938: 262, 574 MT	24,950,000 MT	Bituminous	Kochu Company
Coal	Cheng-feng Coal Company	Ching-ching Hsien	6,600,000 yuan	1938: 99,058 MT	6,600,000 MT	Anthracite	Kochu Company
Coal	Liu-ho-kou Coal Company	An-yang Hsien	3,750,000 yuan	1938: 209,285 MT	400,000 MT	Bituminous	Kochu Company
Coal	Yang-ch'uan Coal Company	Shansi	3,000,000 yuan	1938: 10,000 MT	74,650,000 MT	Anthracite	Kochu Company

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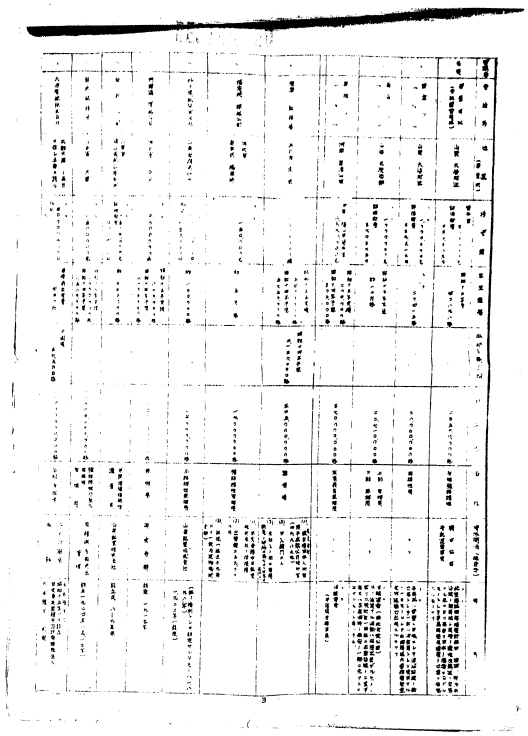

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Type of Mineral	Name of Company	Location	Amount of Investment	Annual Production	Deposit	Quality of Mineral	Name of Investor
Coal	Hua-feng Coal Company	Ta-wen, Shantung	300,000 yuan	1938: 40,898 MT	25,560,000 MT	Bituminous	Kochu Company
Coal	Hua-pao Coal Company	Ta-wen, Shantung	1,000,000 yuan	1938: 20,415 MT	28,000,000 MT	Bituminous	Kochu Company
Coal	Hsi-shan Coal Company	T'ai-yuan, Shansi	1,000,000 yuan	1938: 100,000 MT	22,710,000 MT	Antnracite Bituminous	Kochu Company
Coal	Chiao-tso Coal Company	Honan	2,678,000 yuan	1938: 200,000 MT 1939 estimate: 300,000 MT	370,000,000 MT	Antnracite	Kochu Company
Coal	Kai-luan Coal Company	Hopeh	2,000,000 pounds	1938 5,400,000 MT 1939 estimate: 5,750,000 MT	325,000,000 MT	Bituminous	Jointly by Chinese and British
Coal	Yang-chia-tan Coal Company	Yang-chia-tun	150,000 yuan	50,000 MT	17,000,000 MT	Bituminous	Jointly by Japanese and Chinese
Coal	Fang-tzu Coal Company	Fang-tzu, Shantung	3,000,000 yen	100,000 MT	14,000,000 MT	Antnracite	Santo Mining Company
Coal	Man-tou-kou Coal Company	Yen-ping, Hopeh	2,000,000 liang	1938: 800,000 MT 1939 estimate 1,100,000 MT	142,000,000 MT	Antnracite	Jointly by Chinese and British
Coal	Yueh-sheng Company	Shantung	1,500,000 yuan	220,000 MT		Bituminous	Santo Mining Company
Coal	Chin-pei Coal Company	Ta-T'ung	1,500,000 yuan	1938: 1,000,000 MT 1939 estimate: 1,580,000 MT	12 000,000 MT	Bituminous	Meng-chiang Commission
Coal	Ta-t'ung Coal Company	Ta-t'ung	40,000,000 yen	450,000 MT	12,000,000 MT	Bituminous	SMR

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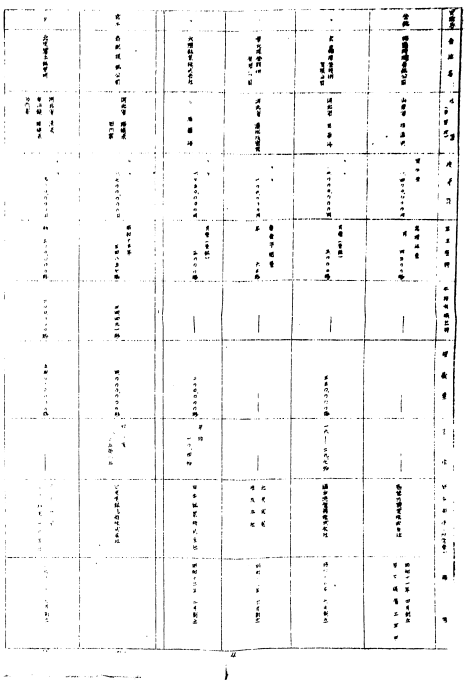

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Type of Mineral	Name of Company	Location	Amount of Investment	Annual Production	Deposit	Quality of Mineral	Name of Investor
Gold	Chao-yuan Gold Mining Company	Chao-yuan, Shantung	1,400,000 yen	Process 4,500 MT of ore per month			Kidogawa Company
Gold	Kuang-chin Gold Mine Company	Ma-lan-ku, Hopeh	2,000,000 yen	Process 3,000 MT or ore per month	330,000 MT of ore	16-29 %	Shiomizuko Sugar Company
Gold	North China Gold Mine Company	Mi-yun, Hopeh	100,000 yen				Sumitomo Bank
Gold	Dairiku Mining Company	Ma-lan-ku, Hopeh	1,250,000 yen	Process 3,000 MT of ore per month	200,000 MT of ore	10.4 %	Japan Mining Company
Clay	T'ai-chi Coal Company	Shih-men-tsai, Hopeh	2,700,000 yen	1938: 34,857 MT	4,000,000 MT		Nisshi Shipping Company
Clay	North China Clay Company	Shih-men tsai, Hopeh	900,000 yen	300,000 MT	54,000,000 MT		Kochu Company

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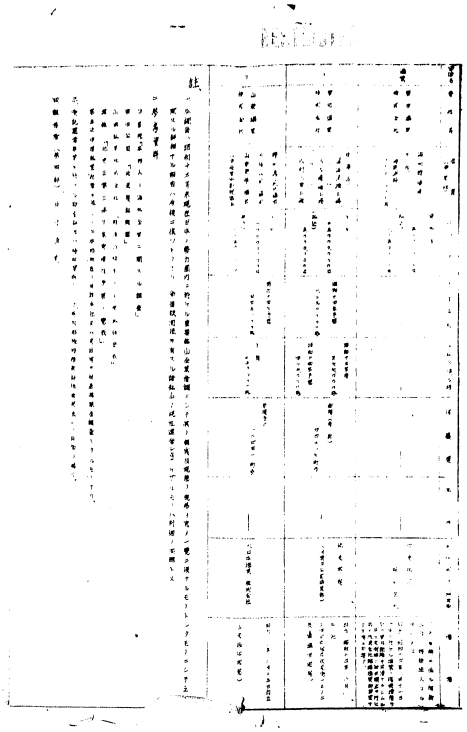

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Type of Mineral	Name of Company	Location	Amount of Investment	Annual Production	Deposit	Quality of Mineral	Name of Investor
Salt	Central China Salt Company	Haichon	5,000,000 yen				Central China Industrial Company
Salt	North China Salt Company	Han-ku	25,000,000 yen	1939 estimate: 1,290,000 MT			North China Development Company
Salt	Shantung Salt Company	Chiao-chou	10,000,000 yen	250,000 MT			Japan Salt Company

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STAT

Name of plant: Asia Steel Works

Nationality of Plant: Japanese

Location of Plant: Ho-chien Lu #379

Organization of Plant: Joint Stock Co

Amount of Capital: 10,000,000 yen

Installations (Production Equipment):

Type	Number
Galvanizing equipment	1
Smelting furnace (30 ton capacity)	1
Wire drawning benches	107
Nail-making benches	60
Electric furnace (2 ton capacity)	1
Lathes	23

Installations (Prime Movers):

Number of Electric Motors: 76 ; Total HP: 1,225.95 HP

No of other types of prime movers: ; Total HP:

Number of Workers:

Male:	548
Female:	52
Total:	600

Annual Production Capacities:

Products	Amount
Galvanized iron plate	20,400 MT
Galvanized iron wire	18,000 MT
Iron castings	6,000 MT
Nails	12,000 MT
Recalimed pig iron	10,800 MT
Other metallic products	10,400 MT

1941 Output:

Products	Amount
Galvanized iron plate	459 tons
Galvanized iron wire	916 tons
Iron castings	539 tons
Nails	94 tons
Reclaimed pig iron	820 tons
Others	311 tons

1941 Raw Material Input:

Type	Amount
Ferrosilicon plate	22 MT
Processed steel	64 MT
Zinc	79 MT
Lead	13 MT
Galvanized steel plate	425 MT
Scrap iron	1,033 MT

SOURCE

Shanghai Kogyo Jitsui Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai As of June 1942), published by the South Manchuria Railway

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Nichiya Steel Works

Japanesse

P'ing-liang Lu #1628

Joint Stock Co

7,500,000 yen

Sheet metal machines	2
Nail making machines	22
Wire drawing benches	14

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145

Sheet metal "bamboo knot" steel round steel bars	10,000 MT
Steel wire	1,800 MT
Nails	20,000 Kegs

Sheet metal "bamboo knot" steel round steel bars	299,823 tons
Steel wire	(not given)
Wire nails	3,223 Kegs

Steel for sheet metal	400,724 MT
Steel for wire	184,803 MT

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Nakayama Steel Plant, Chou-chia Ch'iao Works

STAT

Japanese

Hu-hsi District; Po-li-nan Lu #2501

(Not given)

1,000,000 yen

Sheet metal plating machine	1
Wire plating machine	1
Wire-drawing benches	52
Nail making machines	32
Spike nail making machines	3

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Galvanized iron plate	21,600 MT
Nails	1,920 MT
Galvnaized iron wire	6,000 MT
Barbed wire	1,200 MT

Galvanized iron plate	546 tons
Nails	61 tons
Galvnized iron wire	500 tons
Barbed wire	100 tons

Wire rods	229 MT
Zinc	63.5 MT

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Ta-ch'ung Steel Works

Japanese

Ch'i-wu-p'u Lu #130

Private Investment

433,000 yen

Electric furnace	1
Castin cupolas	2

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Machinery parts)	2/0 MT
Ship parts)	
Rolling stock parts)	

Machinery parts	02,101 tons
Ship parts	14,551 tons
Rolling stock parts	/,592 tons

Scrap iron	204,999 MT
Ferrosilicon	2,895 MT
Ferromanganese	1,610 MT
Carbon	80 rolls
Magnesium clinkers	34,045 MT

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Ko-a Metalworking Plant

Japanese

Ta-lien wan Lu #652

Private Investment

230,000 yen

Rolling mills	2
Lathes	2
Cutters	1

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Steel bars	3,600 MT
Rivets and bolts	720 MT

Steel Bars	1,200 MT
Rivets and bolts	240 MT

Scrap Steel plate	1,560 MT

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Chu-ka Metalworking Plant

Japanese

Chapei District; Hsiang-yen-ch'iao Lu #105

Joint Stock Company

100,000 yen

Wire screen weavers	8
Wire drawing benches	56
Plating machine	1
Annealing furnaces	2

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	21
	14
	35

(Window) screnning	3,600 rolls
Glavanized iron mesh	45 MT

(Window) screening	2,800 tons
Galvanized iron mesh	27 tons

Wire material	100 MT
Zinc	2.5 MT
Lead	1.5 MT

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STAT

Name of plant: Aiko Steel Plant

Nationality of plant: Japanese

Location of plant: Cha-pei District; Hsin-chiang Lu #12

Organization of plant: Privately owned

Amount of capital: 20,000 yen

Type	
Blast furnace (regenerating type)	2
Electrolytic tinning machine	1

Type of electric power equipment: Number of electric motors: 5 Total horsepower: 1

Number of employees:

Male	12
Female	0
Total	12

Annual capacity of principal products:

Reclaimed pig iron	1,800 MT
Castings	12 MT
Electrolytic tin	

Output of principal products:

Regenerated pig iron	1,517 tons
Castings	5 tons
Electrolytic tin	

Principal raw materials input:

Type	Amount
Scrap iron	1,450 MT
Scrap tin plate	400 MT
Ferrosilicon	60 MT
Ferromanganese	60 MT

Source: Reports written after interviews with factory, mine or mine management personnel by refugees or travelers, or based on direct observation of factory, mine or mine equipment by the author reporting to [redacted]

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STAT

Name of plant: K'ang-yuan Can Mfg. Co.

Nationality of Plant: Chinese

Location of Plant: Wu-ting Lu #95b

Organization of Plant: Ltd. Stock Co.

Amount of Capital: 2,000,000 yuan

Installations (Production Equipment):

Type	Number
Presses	52
Iron plate cutters	18
Can bottom attaching machines	1
Molders	34
Printing presses	11
Lathes	13

Installations (Prime Movers):

Number of Electric Motors: 26 Total H.P. 123

No. of other types of prime movers: Total H.P.

Number of Workers:

Male: 345
Female: 15
Total: 360

Annual Production Capacity:

Products	Amount
Small thin cans	1,415,000 cans
Toys	100 MT
Off-set printing	9,531,000 pages

1941 Output:

Products	Amount
Small tnin cans	6,911,000 cans
Toys	75 tons
Off-set printing	8,720,000 pages

1941 Raw Material Imports:

Type	Amount
Tin plate	299 MT
Iron wire	8 MT
Other iron materials	20 MT

SOURCE

Shuo-ling Kuang-ch'ai Chuan Chiang Ts'ai-liao-hui, Shuo Ming on Kokuraku Gensai (Investigation Report on Actual Condition of Incendiaries in Changhai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Ch'in-ch'ang Metals and Glued Wood Plant

Nationality of Plant: Chinese

Location of Plant: Pin-hsiang Lu, Hai-hui Lu #125

Organization of Plant: Ltd. Stock Co.

Amount of Capital: 1,000,000 yuan

Installations (Prime Movers):

Type	Number
Hand operated presses	21
Tilt presses	28
Angle presses	2
Rotary presses	8
Pedal pumps	12
Lathes	10

Installations (Prime Movers):

Number of Electric Motors: 2 Total H.P.: 15

No. of other types of engines: Total H.P.:

Number of Employees:

Male:	41
Female:	5
Total:	46

Annual Production Capacity:

Products	Amount
Various types of cans	250,000 yuan
Bakelite products	

1941 Outputs:

Products	Amount
Various types of cans	240,000 yuan
Bakelite products	

1941 Raw Material Inputs:

Type	Amount
Tin plate	10 MT
Copper plate	1.5 MT
Aluminum plate	35 MT
Bakelite powder	15 MT

SOURCE:

Shanghai Kogyo Jokyo Chosa Shiryo Gaikatsuhyo, Shown Ji-en Kokugaku Gennai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Li-ch'eng Hsing Printing and Can Mfg. Co.

Nationality of Plant: Chinese

Location of Plant: Pao-ting Lu #316

Organization of Plant: Private investment

Amount of Capital: 500,000 yuan

Installations (Production Capacity):

Type	Number
Pedal operated cutters	4
Can shaping machines	3
Presses	21
Seamers	9

Installations (Price Survey):

Number of Electric motors: 5 Total H.P. 23

Size of other type of motive power: 1 (1.5m x 3m)

Number of Workers:

Males	110
Females	7
Total	117

Annual Production Capacity:

Product	Amount
Tobacco cans	1,440,000 cans
Tobacco packing cans	288,000 boxes
Printing	864,000 pages

1941 Output:

Products	Amount
Tobacco cans	400,000
Tobacco packing cans	160,000
Printed matters	86,720 pages

1941 Raw Material Input:

Type	Amount
Steal plate	700,000 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo (Materials, Shown 17-1 on Industrial General Investigation Report on Actual Condition of Industries in Shanghai) (1st ed. June 1942), published by the North Manchuria Railway

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RESTRICTED

Name of plant: **Hua-ch'eng Printing and Can Factory**

Nationality of Plant: **Chinese**

Location of Plant: **Ai to a Lu, Alley #1462; #61**

Organization of Plant: **Joint Investment**

Amount of Capital: **120,000**

Installations (Production Equipment):

Type	Number
Tin-plate printing machines	**6**
Power presses	**11**
"Ketovashi" machines	**33**
Pedal cutters	**1**
Seamers	**15**

Installations (Prime Movers):

Number of Electric Motors, (; Total H.P.
No of other types of prime movers 1 (1.5m x 3m) ; Total HP, 58

Number of Workers:

Male:	121
Female:	35
Total:	156

Annual Production Capacity:

Products	Amount
Dyestuff cans	
Biscuit tins	
Black tea cans (canisters)	**3,000,000 cans**
Medicine boxes	
Tobacco tins	
Miscellaneous cans	

1943 Output:

Products	Amount
Idem.	**1,079,400**

1941 Raw Material Input:

Type	Amount
Tin plate	**280,000 lbs.**

SOURCE

Shanghai Kogyo Jitai Chosa Shiryo Goitatsuiyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Ta-chung-hua Printing and Can Works

Nationality of Plant: Chinese

Location of Plant: Kan-su Lu-Alley #153; #20-22

Organization of Plant: Joint Investment

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Printing machine	1
Pedal (operated) cutting machines	3
"Ketobashi" (?) machine	7
Shears (cutter)	4
Power presses	11

Installations (Prime Movers):

Number of Electric Motors: 2 Total H.P.: 8

No. of other types of prime movers: Total H.P.:

Number of Workers:

Male:	43
Female:	0
Total:	43

Annual Production Capacity:

Products	Amount
Condiment cans	1,080,000 cans
Powdered milk tins	
Cosmetic boxes	

1941 Output:

Products	Amount
Condiment cans	200,000 cans
Powdered milk tins	
Cosmetic boxes	

1941 Raw Material Inputs:

Type	Amount
Iron plate	60,000 lbs

SOURCE

Shanghai Keya Jitsei Chosa Chosyo Gaihatsuhen, Showa 17-nen Hokugata Genzai (Investigation Report on Actual Condition of Industries in Shanghai, 17 of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hua-i-hsin Printing and Can Plant

Nationality of Plant: Chinese

Location of Plant: Nan-ch'eng Lu, Alley #128; #15

Organization of Plant: (Not Given)

Amount of Capital: 1,000,000

Installations (Productive Equipment):

Type:	Number:
Printing machines	2
Lithographic transfer machines	4

Installations (Prime Movers):

Number of Electric Motors: 2 Total HP: 0

No of other types of prime movers: Total HP:

Number of Workers:

Male: 32
Female: 0
Total: 32

Annual Production Capacity:

Products	Amount
Printing (off set)	2,880,000 pages (Converted into 20" x 14" size)

1941 Output:

Products	Amount
Printing (offset)	2,160,000 pages

1941 Raw Material Input:

Type	Amount
Varnish	600 gallons
Drying oil	600 gallons
Paper	180 (sic) gallons

SOURCE

Shanghai Kogyo Jitsai Chosa Shuryo Gaikatsuhyo, Showa 17-nen Hokuganbu Genmai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Yuan-wan-ch'ang Crockery Factory

Nationality of Plant: Chinese

Location of Plant: Hu-nei District; Po-li-nan Lu #587-599

Organization of Plant: Private Investment

Amount of Capital: 100,000 yuan

Installations (Production Equipment):

Type	Number
Presses	3

Installations (Prime Movers):
Number of electric motors: 1 ; total HP: 1.5
No of other types of prime movers: ; total HP:

Number of Workmen:
Male: 31
Female: 3
Total: 34

Annual Production Capacity:

Products	Amount
At present (1942) plantis under conversion to flour milling	

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Li-min Metals Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Wu-ting Lu Phoy

Organization of Plant: Partnership

Amount of Capital: 3,000,000 yuan

Installations (Production Equipment):

Type	Number
Screw head groovers	44
Threading machines	4

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 32
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 29
Female: 4
Total: 33

Annual Production Capacity:

Products	Amount
Wooden screws (flat-headed)	230,000 boxes (144 per box)
Wooden screws (round-head)	172,000 boxes

1943 Output:

Products	Amount
Wooden screws (flat-headed)	219,748 boxes
Wooden screws (round-headed)	None

1941 Raw Material Input:

Type	Amount
Steel wire	100,809 lbs.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Min-kuo Screw and Nail Plant**

Nationality of Plant: **Chinese**

Location of Plant: **Ai-wen-i Lu #12/**

Organization of Plant: **Ltd. Stock Co.**

Amount of Capital: **1,000,000**

Installations (Production Equipment):

Type	Number
Screw heading machines	**8**
Screw head groove finishing machines	**12**
Wood screw threading machines	**48**

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP. 25.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 59
Female: 40
Total: 99

Annual Production Capacity:

Products	Amount
Wood and steel screws	**500,000 boxes (144 per box)**

1941 Outputs:

Products	Amount
Wood and steel screws	**300,000 boxes**

1941 Raw Material Inputs:

Type	Amount
Steel wire	**1,503 tons**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gemmai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Chung-kuo Needle Co., Ltd

Nationality of Plant: Chinese

Location of Plant: Hsu-chia-hui-nui-chin #12/

Organization of Plant: Ltd. Stock Co.

Amount of Capital: 5,000,000

Installations (Production Equipment):

Type	Number
Needlepoint attachers	8
Rectangular cutters	6
Needlehead attaching machines	24
Head polishers	18
Needle polishers	10

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 30.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 37
Female: 14
Total: 51

Annual Production Capacity:

Products	Amount
Sewing needles	700 boxes (250,000 per box)

1941 Output:

Products	Amount
Sewing needles	500 boxes (250,000 per box)

1941 Raw Material Inputs:

Type	Amount
Steel wire	24 tons
Emery dust (Powder)	200 packets
Tin foil	3,000 lbs
Tin-plate	1.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gemmai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: Mao-li Factory

Nationality of Plant: Chinese

Location of Plant: Hsiao-sha-tu-Lu, Alley #588, #16

Organization of Plant: (Not Given)

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Wire drawing benches	2
Double-end point attaching machines	3
Needles finishing machines	3
Needle (axis) polishers	3
Point polishing machines	6

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 25
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	24
Female:	11
Total:	35

Annual Production Capacity:

Products	Amount
Sewing needles	2,000,000

1941 Output:

Products	Amount
Sewing needles	1,800,000

1941 Raw Material Input:

Type	Amount
Steel wire	9 MT
Tin foil	2 MT
Emery powder	480 kin (1 kin= 1.32 lbs)

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: Ta-nua Needle Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: K'ang-nao-to-lu Alley 560, #131

Organization of Plant: Ltd. Stock Company

Amount of Capital: 500,000 yuan (public)

Installations (Production Equipment):

Type	Number
Wire cutters	5
Needle making machines	0
Point attaching machines	0
Point polishers	4
Needle (Axis) Polishers	7

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 42
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 22
Female: 12
Total: 34

Annual Production Capacity:

Products	Amount
Sewing needles	120,000,000

1941 Output:

Products	Amount
Sewing needles	8,000,000

1941 Raw Material Inputs:

Type	Amount
Steel wire	300 piculs
Emery powder	300 lbs
Polishing wheels	36 dozen

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway [redacted]

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RESTRICTED

Name of plant: Chia-t'ing Needle Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Hu-nai District; Ta-nai Lu, Han-nsin Lu #/60 #10

Organization of Plant: Ltd. Stock Company

Amount of Capital: 40,000

Installations (Production Equipment):

Type	Number
Steel wire-cutters	2
Needle polisher	4
Needle finishing machines	6
Needle making machines	6
Needle point polishers	10

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 37.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 22
Female: 8
Total: 30

Annual Production Capacity:

Products	Amount
Sewing needles	760 boxes (25,000 per box)

1941 Output:

Products	Amount
Sewing needles	380 boxes

1941 Raw Material Input:

Type	Amount
Steel wire	50,000 lbs
Tin foil (for wripping machine use)	5,942 lbs.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuiyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: Chung-hsing Electric Needle Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: French Concession: Wen-lin Lu #354-5o

Organization of Plant: Partnership

Amount of Capital: 60,000

Installations (Production Equipment):

Type	Number
Grinders	4
Cutters	11
Shears	3
Point attaching machines	4

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP. 3
No of other types of prime movers, ; total HP.

Number of Workers:

Male:	51
Female:	10
Total:	61

Annual Production Capacity:

Products	Amount
Stocking weaving needles	1,800,000

1941 Output:

Products	Amount
Stocking weaving needles	11,000

1941 Raw Material Input:

Type	Amount
Steel plate	600 lbs
Steel wire	5 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway ( )

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RESTRICTED

Name of Plant: Kuang-a Copper Tools Plant

Nationality of Plant: Chinese

Location of Plant: Ta-hai-Lu, Wang-chia Alley K, #20

Organization of Plant: Partnership

Amount of Capital: 125,000

Installations (Production Equipment):

Type	Number
Spring making machine	2
Chain making machine	2
Pipe making machine	11
Shapers	3
Hand-operated weaving machines	9
Lathes	4

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 13
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 62
Female: 0
Total: 62

Annual Production Capacity:

Products	Amount
Furniture (tables and chairs)	4,600 picus
Table ware	4,500 picus
Sofa covering material	50,000 yds

1941 Output:

Products	Amount
Brass	22 MT
Triangels (Angular iron)	20 MT
Wire staples	20 MT
Steel plate	10 MT
Cotton thread (fivre)	120 bales

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of Plant: Chang-li-chang Steel and Iron Works

Nationality of Plant: Chinese

Location of Plant: French Concession; P'u-en-chi-shin Lu # 90

Organization of Plant: Private investment

Amount of Capital: 20,000

Installations (Production Equipment):

Type	Number
Lathes	6
Boring drills	5
Grinders	1
Electric smelting furnace	1

Installations (Prime Movers):

Number of Electric Motors, 4 ; Total HP, 24

No of other types of prime movers, ; Total HP,

Number of Workers:

Male:	133
Female:	0
Total:	133

Annual Production Capacity:

Products	Amount
Safes (coin boxes) Metal writing boxes Tubular (steel) chairs Metal desks Others	1,500,000 yuan

1941 Output:

Products	Amount
Idem	900,000 yuan

1941 Raw Material Inputs:

Type	Amount
Black iron plate	20 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: Lien-ho-fan-chi Metals Mfg. Plant No. 1

Nationality of Plant: Chinese

Location of Plant: Kung-kuan-ma Lu #437

Organization of Plant: Private investment

Amount of Capital: 25,000

Installations (Production Equipment):

Type	Number
Grinders	6
Presses	4
Chrome plating tanks	2
Copper plate extruder	1

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 52.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 45
Female: 0
Total: 45

Annual Production Capacity:

Products	Amount
Watch cases	800 dozen
Chains (Watch)	600 dozen

1941 Output:

Products	Amount
Watch cases	800 dozen
Chains	500 dozen

1941 Raw Material Input:

Type	Amount
Copper plate	600 lbs
Copper wire	24 lbs
Leather	1400 sq. ft
Chrome powder	300 lbs.

SOURCE

Shanghai Kogyo Jittai Chosa Shirro Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of Plant: Idem. Plant #2

Nationality of Plant: Chinese

Location of Plant: T'ung-tzu Lu Alley 49 #2

Organization of Plant: (Not Given)

Amount of Capital: Capitalization included within main plants (No. 24)
capitalization figures

Installations (Production Equipment):

Type	Number
Hand-operated press	14

Installations (Prime Movers):
Number of Electric Motors, ; total HP,
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	33
Female:	0
Total:	33

Annual Production Capacity:

Products	Amount
Watch cases	1400

1943 Output:

Products	Amount
Watch cases	1000

1943 Raw Material Input:

Type	Amount
Copper plate Copper wire	Included within figures for main plant #24

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Ta-hua-juan-chin Mfg. Co. (Operations suspended)

Nationality of Plant: Chinese

Location of Plant: Hsing-chia-p'o Lu , #901-62

Organization of Plant: Joint family enterprise (Partnership)

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Rollers	2
Presses	5
Lead tubing drawing machines	6
Copper plate printing presses	10

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 40.5

No of other types of prime movers, ; total HP.

Number of Workers:

Male:	21
Female:	35
Total:	56

Annual Production Capacity:

Products	Amount
Various types of tubing	3,000,000 units

1941 Output:

Products	Amount
Various types of tubing	1,160,000 units

1941 Raw Material Input:

Type	Amount
Lump tin*	1.5 lbs
Lump lead*	(1) 144 "piruku " (Piculs?)
Lump lead*	(2) 2lb "piruku"

*Since plant in inoperative, material has not been used.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: Nan-nua Crockery Plant

Nationality of Plant: Chinese

Location of Plant: Lu-nsi-na Lu, T'ung-fu-li

Organization of Plant: Partnership

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Enamelling machines	4
Pulverizing machine	1
Steam boiler	1
Latnes	4

Installations (Prime Movers):
Number of Electric Motors, 2 ; Total HP, 11
No of other types of prime movers, ; Total HP,

Number of Workers:
Male: 51
Female: 15
Total: 66

Annual Production Capacity:

Products	Amount
(Not Given)	

1941 Output:

Products	Amount
(Not Given)	

1941 Raw Material Input:

Type	Amount
(Not Given)	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: Hsin-chung-hua-chieh-chi Knife Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Pei-shan-hsi Lu Alley $433, #2

Organization of Plant: Partnership

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Latnes	4
Milling machines	5
Drill presses	5
Grinders	1

Installations (Prime Movers):

Number of electric motors: 7 ; total HP, 8.5

No of other types of prime movers: ; total HP,

Number of Workers:

Male: 49
Female: 0
Total: 49

Annual Production Capacity:

Products	Amount
Scissors	1,800 dozen
Hair clippers	1,440 dozen
Other miscellaneous small scissors	60 dozen
Knives (table)	30 dozen

1941 Outputs:

Products	Amount
Scissors	1,300 dozen
Hair clippers	1,100 dozen
Other miscellaneous small scissors	60 dozen
Knives	36 dozen

1941 Raw Material Inputs:

Type	Amount
Copper strips	3,600 lbs
Cast iron	6,720
Brass wire	480
3" - 3" steel bars	120 piculs
3" iron rods	1,440 kin

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo 6 Iron and Steel, Chosa Jigyo Kokusaku Gemmi (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Heng-ta Can Co.

Nationality of Plant: Chinese

Location of Plant: Nan-ch'eng-tu Lu, Alley 155 #39-41

Year Installed: (Not Given)

Amount of Capital: 100,000

Installations (By function equipment):

Type	Number
Presses (Types 2,3,4)	8
Hand presses	16
Hand operated "ketobashi" machines	7
Power presses	9
Reels	1
Crank Press	1

Installations (Prime Movers):

Number of Electric Motors: 2 ; Total HP: 0

No of other types of prime movers: ; Total HP:

Numbers of Workers:

Male:

Female:

Total:

Annual Production Capacity:

Products	Amount
Medicine tins	2,500,000 plus
Oil cans	600,000 plus
Food and sugar tins	500,000 plus
Miscellaneous	

1941 Output:

Products	Amount
Medicine tins	2,285,000
Oil cans	188,000
Food and sugar tins	541,000

1941 Raw Material Input:

Type	Amount
Tin plate	100 boxes (200 lb per box)
Tin strips	950 boxes
Thin iron plate	60 boxes (120 lb per box)

Source:

Shanghai Kowon Nikkai Chosa Shiryo Geibetsumoku, Showa 17-nen Rokugatsu Gemmatsu (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of Plant: A-nan Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Ma-po Lu, # 143

Organization of Plant: Ltd. Stock Co.

Amount of Capital: 500,000 yuan

Installations (Production equipment):

Type	Number
Eccentric presses	3
Electric-heated eccentric presses	6
Lathes	11
Shapers	11
Electro plating tanks	3

Installations (Prime Movers):

Number of Electric Motors, : Total HP.
No of other types of prime movers, : Total HP.

Number of Workers:

Male:	60
Female:	0
Total:	60

Annual Production Capacity:

Products	Amount
Electric fan parts	1,000 parts
Bicycle chains	6,000
Electric drills	In 1940, 45 experimental models were made, but none sold

1941 Output:

Products	Amount
Electric fan parts	
Bicycle chains	
Electric drills	45

1941 Raw Material Inputs:

Type	Amount
Copper wire and plate	12,813 kg
Brass rods, plate, and wire	
Electroplated copper	
Enamelled wire	
Aluminum plate	3,813 kg
Steel plate	29,216 kg

SOURCE:

Shanghai Kogyo Jittai Chosa Shiryo Daikansuhen, Showa Jyuroku Nendai Kokugaku Jouhou Investigation Report on Actual Condition of Industries in Shanghai, As of June 1941, published by the South Manchuria Railway.

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STAT

Name of plant: Hsien-ch'eng Silver Box Co., Ltd.

Nationality of Plant: Chinese

Location of Plant: Hsin-cha Lu, Alley 1536, #190

Organization of Plant: Ltd. Stock Co.

Amount of Capital: 160,000

Installations (Production Equipment):

Type	Number
Iron plate benders	4
Iron rod cutter	1
Drill pressers	5
Electric furnace	1

Installations (Prime Movers):
Number of Electric motors, 2 ; total HP, 1
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 54
Female: 0
Total: 54

Annual Production Capacity:

Products	Amount
Metal Safes	120 (convertible to 3' high)
Safety deposit boxes (Vaults)	400 (convertible to 6' high)
Office tables and chairs	80 sets
Other equipment	700 (4' x 2' x 7'

1941 Output:

Products	Amount
Metal safes	98
Safety deposit boxes (vaults)	360
Office table and chairs	55
Other iron equipment	623

1941 Raw Material Input:

Type	Amount
Scrap iron plate	950 sheets
(New) iron plate	390 sheets
Lacquer	600 gallons
Cement	50 bags (50 kg per bag)
Sand	400 gags (50 kg per bag)

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Goiratsuhyo, Showa 17-nen Hokugatsu Gemmat (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: Ta-chung Mfg. Co.

Nationality of Plant: Chinese

Location of Plant: Chai-hsi-i Lu, #220

Organization of Plant: Ltd. Liability Co.

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Needle making machines	12
Large needle point grinders	9
Rough grinders	11
Needle cutters	6
Iron wire drawing benches	8

Installations (Prime Movers):
Number of Electric Motors, 7 ; total HP, 112
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 101
Female: 70
Total: 171

Annual Production Capacity:

Products	Amount
Sewing needles	1,200 boxes*

1941 Outputs:

Products	Amount
Idem.	1,100 boxes*

1941 Raw Material Inputs:

Type	Amount
Steel wire	80 tons
Tinfoil	250 boxes (100 lbs per box)
Tin plate	120 boxes (200 lbs per box)

* 250,000 pockets of 25 needles in each box

SOURCE

Shanghai Kogyo Jitsi Chosa Hokoku Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chung-kuo Hinge Company

Nationality of Plant: Manchurian

Location of Plant: Hsiao-sha-tu-lu #151

Organization of Plant: Partnership

Amount of Capital: 60,000

Installations (Production equipment):

Type	Number
Tilt presses	1/
Iron plate cutters	1
Small, simple drills	2
Other presses	5
3-bit drills	3

Installations (Prime Movers):
Number of Electric Motors, 4 ; total H.P. 23.25
No of other types of prime movers, ; total H.P.

Number of Workers:
Male: 31
Female: 20
Total: 51

Annual Production Capacity:

Products	Amount
Hinges	72,000 dozen

1941 Output:

Products	Amount
Idem.	10,000 dozen

1941 Raw Material Input:

Type	Amount
Scrap iron plate	100 piculs
Iron wire	50 piculs

SOURCE

Shanghai Kogyo Jitai (Dose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: I-chang ch'eng Printing and Iron Can Plant

Nationality of Plant: Chinese

Location of Plant: Mei-pai-ko Lu, Alley 441, #1

Organization of Plant: Partnership

Amount of Capital: 30,000 yuan

Installations (Production Equipment):

Type	Number
Printing presses	2
Presses	21
Tin plate cutters	3

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 18.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	45
Female:	16
Total:	61

Annual Production Capacity:

Products	Amount
Miscellaneous small cans	2,520,000
Printing (off-set)	1,020,000 pages

1941 Output:

Products	Amount
Miscellaneous small cans	2,000,000
Printing (off-set)	1,200,000 pages

1941 Raw Material Input:

Type	Amount
Iron plate	72 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikitsuiyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Shung-hua Enamel Company**

Nationality of Plant: **Chinese**

Location of Plant: **Hsiao-sha-tu, Lu Alley #13/1, #yo**

Organization of Plant: **Ltd. Stock Co.**

Amount of Capital: **480,000**

Installations (Production Equipment):

Type	Number
Presses	[illegible]18
Cutters	[illegible]2
Reeling wheels (reeling trucks)	[illegible]1
Hand-turned rollers	[illegible]10
Bending machines	4
Lacquer fusing furnaces	5

Installations (Prime Movers):

Number of Electric Motors, 11 ; total HP, 74.1
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	43
Female:	0
Total:	43

Annual Production Capacity:

Products	Amount
Table ware	84,000 dozen
Pots and pans	14,000 dozen
Wash basins	02,000 dozen
Spittles	180,000 dozen

1941 Output:

Products	Amount
Table ware	400,000 dozen
Pots and pans	7,000 dozen
Wash basins	55,000 dozen
Spittles	80,000 dozen

1941 Raw Material Input:

Type	Amount
Iron plate	503 tons
Borax	54 tons
Saltpeter	33 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaiatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chiu-feng Crockery Plant

Nationality of Plant: Chinese

Location of Plant: Ho-te Lu, #803

Organization of Plant: Partnership

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Chilled (steel) presses (large)	4
Bending presses	4
Punching pumps	5
Feldspar powder mixer	5
Lathes	3

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 15
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 28
Female: 0
Total: 28

Annual Production Capacity:

Products	Amount
Wash basins	
Eating bowls	
Spittles	2,000,000 yuan
Spoons	2,000,000 pieces
Other eating utensils	

1941 Output:

Products	Amount	
Wash basins	50,000)	
Eating bowls	150,000)	
Spittles	10,000)	2,000,000 yuan
Spoons	20,000)	
Other eating utensils	4,000)	

1941 Raw Material Input:

Type	Amount
Iron plate	400 tons
Other metals	100 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of Plant: Dairiku Copper Smelting Plant

Nationality of Plant: Japanese

Location of Plant: Shangnai, K'un-ming Lu #1185-1222

Organization of Plant: Joint Stock Company

Amount of Capital: 750,000

Installations (Production Equipment):

Type	Number
Smelting furnaces	7
Reverbatory furnaces	6

Installations (Prime Movers):
Number of Electric Motors, 25 ; total HP,
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 1/3
Female: 0
Total: 1/3

Annual Production Capacity:

Products	Amount
Copper and brass plates	1,8000 kg
Copper and brass wire	120 MT
Slide fasteners (zippers)	12 kg

1941 Output:

Products	Amount
Copper and brass plates	536.4 kg
Copper and brass wire	320 MT
Slide fasteners (zippers)	

1941 Raw Material Input:

Type	Amount
Copper scrap	225 MT
Zinc scrap	125 MT
Brass scrap	520 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Wake Copper Smeltin Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Shangnai-ning-wu Lu #410**

Organization of Plant: **(Not given)**

Amount of Capital: **450,000**

Installations (Production Equipment):

Type	Number
Rolling mills	**9**
Wire-drawing benches	**9**
Smelting furnaces	**5**
Reverbatory furnaces	**6**

Installations (Prime Movers):
Number of Electric Motors, 22 ; total HP, 411.25
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 48
Female: 0
Total: 48

Annual Production Capacity:

Products	Amount
Brass plates	**1,080 MT**
Copper plates	**360 MT**
Copper wire	**360 MT (Reprocessed)**

1941 Output:

Products	Amount
Brass plates	**696.5 MT**
Copper plates	**23.2 MT**

1941 Raw Material Input:

Type	Amount
Brass scrap	**6,411 kg**
Copper scrap	**280.3 kg**
Zinc	**136.1 kg**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Goiratsuhyo, Showa 17-1en Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Kowa Copper Mfg. Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Shanghai-shih; Yao chou Lu #331**

Organization of Plant: **Joint investment**

Amount of Capital: **50,000**

Installations (Production Equipment):

Type	Number
Rolling mills	**2**

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 180
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 37
Female: 0
Total: 37

Annual Production Capacity:

Products	Amount
Hard steel wire	**180,000 kg**
Brass wire	**120,000 kg**

1941 Output:

Products	Amount
Hard copper wire	**110,290 kg**
Brass wire	**50,870 kg**

1941 Raw Material Input:

Type	Amount
Copper wire and copper scrap	**146,220 kg**
Brass wire	**31,330 kg**
Zinc	**6,690 kg**

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **The Kyowa Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Shanghai, Yun-ming Lu; Alley #883, #31**

Organization of Plant: **Privately owned**

Amount of Capital: **70,000**

Installations (Production Equipment):

Type	Number
Heavy oil (burning) smelter	**1**
Rolling mills	**4**
Reverbatory furnaces	**2**
Smelting furnaces	**2**

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 107

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 18

Female: 0

Total: 18

(Only 2 are skilled technicians

Annual Production Capacity:

Products	Amount
Brass plate	**10,8000 piculs**

1941 Output:

Products	Amount
Brass plate	**393,840 piculs**

1941 Raw Material Input:

Type	Amount
Brass plate	**3,065 piculs**
Zinc scrap	**1,020 piculs**
Copper scrap	**22,724 piculs**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gensai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Shanghai MetalsMgf Co., Ltd.

Nationality of Plant: Japanese

Location of Plant: Yu-lin Lu #540

Organization of Plant: Joint Stock Company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Wire making machine	3
Brass rod making machine	16

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 180.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 22
Female: 5
Total: 27

Annual Production Capacity:

Products	Amount
Brass rods	530 MT
Brass wire	120 MT

1941 Output:

Products	Amount
Brass rods	213 MT
Brass wire	5 MT

1941 Raw Material Input:

Type	Amount
Copper	115 MT
Zinc	77 MT
Brass	26 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of Plant: **Tadokoro Copper Smelting Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Shanghai; T'ien-pao Lu #104**

Organization of Plant: **Private investment**

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Reverbatory furnace	1
Rolling mills	3

Installations (Prime Movers):
Number of Electric Motors, 0 ; total HP, 106.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 29
Female: 1
Total: 30

Annual Production Capacity:

Products	Amount
Brass rods	300 MT
Copper rods	180 MT
Brass wire	30 MT

1941 Output:

Products	Amount
Brass rods	199 MT
Copper rods	35 MT
Brass wire	10 MT

1941 Raw Material Inputs:

Type	Amount
Lump copper (wire scrap)	675 MT
Lump brass (scrap)	685 MT
Zinc, etc.	1 MT

*TN: Tne cnaracters "Yang-neng" ( ), wnich signify that tne firm is a foreign firm, are not included in the translation of the plant's name.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Gemmatsu (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Shanghai Copper Smelting Plant

Nationality of Plant: Japanese

Location of Plant: Nan-shin District, Shanghai-nan-shih; Lung-hua Lu #2591

Organization of Plant: Joint Stock Company

Amount of Capital: 125,000

Installations (Production Equipment):

Type	Number
Electrolytic heating furnaces	42
Floor blast furnaces	2
Reverberatory furnace	1

Installations (Prime Movers):
Number of electric motors, 5 ; total HP, 91
No of other types of prime movers, 3 ; total HP, 60

Number of Workers:
Male: 31
Female: 0
Total: 31

Annual Production Capacity:

Products	Amount
Electrolytic tin	54 MT

1941 Output:

Products	Amount
Electrolytic tin	8 MT

1941 Raw Material Inputs:

Type	Amount
Tin plate (scrap)	890 MT
Sodium hydroxide	39 cans (30 kg per can)
Charcoal	15 MT
Coal	15 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **The Aiko Iron Works**

Nationality of Plant: **Japanese**

Location of Plant: **Shanghai Hsin-chiang Lu #12**

Organization of Plant: **Privately owned**

Amount of Capital: **20,000**

Installations (Production Equipment):

Type	Number
Electric generators	**1**
Electrolytic tinning machine	**1**
Blowers	**1**

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 11
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 11
Female: 0
Total: 11

Annual Production Capacity:

Products	Amount
Electrolytic tin	**12 MT**

1941 Output:

Products	Amount
Electrolytic tin	**5,001 MT***

1941 Raw Material Input:

Type	Amount
Tin plate (Scrap)	**400 MT**
Coal	**137 MT**
Charcoal	**30 MT**

***TN:** **The apparent discrepancy between this figure and the 12 MT figure for annual capacity cannot be reconciled. Such discrepancies appear from time to time throughout this report.**

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Tao Reprocessing Plant

Nationality of Plant: Japanese

Location of Plant: Shanghai-shih; K'un-ming Lu #456

Organization of Plant: Joint stock company

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Pig iron smelter	1
Electrolytic tin furnaces	14
Blowers	1

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 50
No of other types of prime movers, 1 ; total HP,
(350 volt generator)

Number of Workers:
Male: 11
Female: 0
Total: 11

Annual Production Capacity:

Products	Amount
Pig iron	600 MT
Tin	4,000 Kin

1941 Output:

Products	Amount
Pig iron	300 MT
Tin	500 Kin

1942 Raw Material Input:

Type	Amount
Tin plate (scrap)	600 MT
Coal	180 MT
Silicon	30 Bags
Sodium hydroxide	5 cans

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Sudo Electric Wire Works**

Nationality of Plant: **Japanese**

Location of Plant: **Yang-shu-p'u District; Shangnai; Liao-yang Lu #398**

Organization of Plant: **Privately owned**

Amount of Capital: **40,000**

Installations (Production Equipment):

Type	Number
Fine wire (making machines	**251**

Installations (Prime Movers):
Number of Electric Motors, 21 ; total HP, 121.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 40
Female: 45
Total: 85

Annual Production Capacity:

Products	Amount
Tokyo wire	**1,200,000 meters**
Rubber insulated wire	**12,000,000 meters**
Uncovered (bare) electric wire	**480,000 Kg.**

1941 Output:

Products	Amount
Tokyo wire	**616,800 meters**
Rubber insulated wire	**6,997,600 meters**
Uncovered wire	**20,383 kg**

1941 Raw Material Input:

Type	Amount
Copper wire	**145,413 kg**
Natural rubber	**17,210 kg**
Rubber compounding chemicals	**112,180 kg**

* **See note under item #6**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-) en Rokugatsu Genmai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Nakayama Steel Works and Electric Wire Plant

Nationality of Plant: Japanese

Location of Plant: P'u-tung District; P'u-tung-chou-chia-po

Organization of Plant: Joint Stock Company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Looms	450
Enamel wire making machines	150
Electric copper smelter	2
10 ton reverberatory furnace	1
rolling mill	1

Installations (Prime Movers):

Number of Electric Motors, 10 ; total HP, 203
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	30
Female:	12
Total:	42

Annual Production Capacity:

Products	Amount
Bare copper wire	3,000 MT
Insulated wire	11,000,000 Meters
"Ko-do" wire	1,500,000 Meters
Enamel wire	3 MT

1941 Output:

Products	Amount
Bare copper wire	50 MT
Insulated wire	5,897,000 Meters
"Ko-do" wire	495,310 Meters

1941 Raw Material Input:

Type	Amount
Lump copper and copper wire	80 MT
Natural rubber	5,000 lbs
Cotton thread	7,200 lbs
Rubber compounding chemicals	19,000 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geiatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: The Shimosa Kyoki Electric Wire Plant

Nationality of Plant: Japanese

Location of Plant: Hu-hsi District; Shanghai, Chi-ssu-fei-erh Lu; Alley 482, A63

Organization of Plant: Privately owned

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Braiding machines	100
Wire drawing Benches	8

Installations (Prime Movers):
Number of Electric Motors, 8 ; total HP, 68.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	10
Female:	10
Total:	20

Annual Production Capacity:

Products	Amount
Electric wire (insulated type 3)	100,000 rolls (100 meters per roll)

1941 Output:

Products	Amount
Electric wire	60,000 rolls (100 meters per roll)

1941 Raw Material Input:

Type	Amount
Copper wire	500 piculs
Cotton thread	20 bales
Rubber	10 MT
Other miscellaneous items	600 piculs

SOURCE

Shanghai Koryo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gemmai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Enami Copper Refinery

Nationality of Plant: Japanese

Location of Plant: Yang-shu-p'u District; Shangnai; Nan-lao-k'o Lu #203

Organization of Plant: Unlimited liability firm

Amount of Capital: 40,000

Installations (Production Equipment):

Type	Number
Power press	1
Smelters	3
Casting furnaces	2
Rollers	14

Installations (Prime Movers):

Number of Electric Motors: 2 ; total HP, 15

No of other types of prime movers, ; total HP,

Number of Workers:

Male:	24
Female:	0
Total:	24

Annual Production Capacity:

Products	Amount
Cast(iron)table ware	30,000 pieces
Plated table wire	80,000 pieces

1941 Output:

Products	Amount
Cast (iron/ table ware	12,400
Plated table ware	11,000

1941 Raw Material Input:

Type	Amount
Aluminum	1.5 MT
Ingots	2.0b MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hua-chang Metals Mfg. Company

Nationality of Plant: Sino-Japanese

Location of Plant: Hung-k'ou District; Chi-yang Lu #69

Organization of Plant: Joint Investment

Amount of Capital: 60,000

Installations (Production Equipment):

Type	Number
Rollers	4
Plate cutters	10
Punches	18
Lathes	1

Installations (Prime Movers):
Number of Electric Motors, 21 ; total HP, 320
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 69
Female: 18
Total: 87

Annual Production Capacity:

Products	Amount
Aluminum table ware	150,000 kg
Copper plate	30,000 kg
Brass plate	130,000 kg

1941 Output:

Products	Amount
Aluminum table ware	68,000 kg
Copper plate	18,000 kg
Brass plate	5,000 kg

1941 Raw Material Input:

Type	Amount
Aluminum (scrap)	12,000 kg
Lump copper (scrap)	50,000 kg
Lump brass (scrap)	20,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: **Toa Factory**

Nationality of Plant: **Japanese**

Location of Plant: **Shanghai; Tung-yu-huan Lu #540**

Organization of Plant: **Privately owned**

Amount of Capital: **10,000**

Installations (Production Equipment):

Type	Number
Presses	**16**
Shearing rollers	**3**
60-ton latne	**1**

Installations (Prime Movers):
Number of Electric Motors, 1 ; Total HP, 5
No of other types of prime movers, ; Total HP,

Number of Workers:
Male: 9
Female: 0
Total: 9

Annual Production Capacity:

Products	Amount
Various types of "hatome" (eyelets?)	**22,000,000**

1941 Output:

Products	Amount
Various types of "hatome" (eyelets?)	**9,200**

1941 Raw Material Input:

Type	Amount
Milled brass plate	**20 MT**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: The Sakata Mfg. Plant

Nationality of Plant: Japanese

Location of Plant: Yang-shu-p'u District; Shangnai, Hui-shan Lu #559

Organization of Plant: Privately owned

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Hand looms	3
Power looms	4
Wire drawing benches	2
Press-rollers	1

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 3
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 9
Female: 0
Total: 9

Annual Production Capacity:

Products	Amount
Phosphor iron metal screening	16,200 sq. shaku (1 shaku is 0.994 ft.)
Yellow copper metal screening	21,600 sq. shaku
Iron wire screening	24,000 sq shaku

1941 Output:

Products	Amount
Phosphor iron metal screening	200 kg
Yellow copper metal screening	100 kg
Iron wire screening	300 kg

1941 Raw Material Input:

Type	Amount
Iron wire	300 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chuka Metals Mfg. Corp.

Nationality of Plant: Japanese

Location of Plant: Cha-pei District; Shangnai; Hsiang-yen-ch'iao Lu #105

Organization of Plant: Joint stock company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Metal screen weaving machines	9
Paper twining and weaving machine	1
Wire-drawing cencnes	56
Plating furnace	1

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 13
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 9
Female: 8
Total: 17

Annual Production Capacity:

Products	Amount
Yellow copper brass screening	4,000 kg
Window-screening	3,000 rolls

1941 Output:

Products	Amount
Yellow copper screening	1,400 kg
Window screening	3,100 rolls

1941 Raw Material Inputs:

Type	Amount
Yellow copper wire	1,504 kg
Wire materials	107,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Seimei Plant

Nationality of Plant: Japanese

Location of Plant: Hung-k'ou District; Shanghai-shin; Hung-chin-chu-ch'ang-chia chu Lu, Alley 80

Organization of Plant: (Not Given)

Amount of Capital: 15,000

Installations (Production Equipment):

Type	Number
Paripurensu (Power press?)	22
Latnes	1
Puncners	10
Others	12

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP,3
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 13
Female: 30
Total: 43

Annual Production Capacity:

Products	Amount
Hooks	100

1941 Output:

Products	Amount
Hooks	70,000*

1941 Raw Material Input:

Type	Amount
Thin brass plate	350 piculs
Thin tin plate	20,000 lbs

*TN: The discrepancy between alleged production capacity (100) and production (70,000) cannot be reconciled.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: **Oka Press Button Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Yang-shu-p'u District; Shanghai-shih; Yang-shu-p'u Lu, Ku-shan-li #12**

Organization of Plant: **(Not Given)**

Amount of Capital: **30,000**

Installations (Production Equipment):

Type	Number
Press punching machines	3
Lathes	3
Compressor	1
Spring-making machines	4
Small coil spring machines	90
Centrifugal drying machine	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 16
Female: 32
Total: 48

Annual Production Capacity:

Products	Amount
Press buttons	36,000 boxes (144 dozen per box)

1941 Output:

Products	Amount
Press buttons	17,430 boxes

1941 Raw Material Input:

Type	Amount
Brass strips	34,045 Kin
Phosphor copper wire	6,743 lbs.
Sulfuric acid	120 boxes
Nitric acid	60 boxes

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Ishifuku Company, Shanghai Plant**

Nationality of Plant: **Japanese**

Location of Plant: **Hu-tung District; Shanghai; Yin-hsiang-chu; Yu-shan Lu;**

Organization of Plant: **(Not given)**

Amount of Capital: **(Not given)**

Installations (Production Equipment):

Type	Number
Seal presses	**21**
Rolling mills	**9**

Installations (Prime Movers):

Number of Electric Motors, 60 ; total HP, 52.5

No of other types of prime movers, ; total HP,

(5-15V3KW generators, 11- 15V3KW generators, 3- 15V3KW generators)

Number of Workers:

Male:	**144**
Female:	**114**
Total:	**258**

Annual Production Capacity:

Products	Amount
Aluminum 1¢, 5¢ and 10¢ auxiliary coins for Federal Reserve Bank of China	**336,000,000 coins**

1941 Output:

Products	Amount
Idem.	**188,505,000**

1941 Raw Material Input:

Type	Amount
Aluminum materials	**336 MT**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Chiang-nan Copper Works

Nationality of Plant: Chinese

Location of Plant: Hai-fang Lu, Alley $429, #20

Organization of Plant: Joint Investment

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Rolling Mill Rollers	7
Reverbatory Furnaces	2
Others	3

Installations (Prime Movers):
Number of Electric Motors, 7 ; total HP, 253
No of other types of prime movers, ; total HP,

Number of Workers:
Male:
Female:
Total:

Annual Production Capacity:

Products	Amount
Brass plate	6,050 piculs

1941 Output:

Products	Amount
Brass plate	4,088 piculs

1941 Raw Material Input:

Type	Amount
Copper	4,090 piculs
Zinc	450 piculs

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Yung-chang Copper Works Inc.

Nationality of Plant: Chinese

Location of Plant: Chiao-chou Lu, Alley 273, #120

Organization of Plant: Joint Stock Company

Amount of Capital: 500,000 (Old currency)

Installations (Production Equipment):

Type	Number
Compression tube rollers	5
Rollers (Washing and polishing	2
Small tube rollers	1
Grinders	2

Installations (Prime Movers):

Number of Electric Motors, 10 ; total HP, 181
No of other types of prime movers, ; total HP,

Number of Workers:

Male:
Female:
Total:

Annual Production Capacity:

Products	Amount
Copper plate	360,000 kin
Iron plate	600,000 kin

1941 Output:

Products	Amount
Copper plate	260,000 kin
Iron plate	590,000 kin

1941 Raw Material Input:

Type	Amount
Lump copper	222,000 kin
Copper wire (ordinary)	29,000 kin
Zinc	17,000 kin
3/16" - 3/32" iron plate	598,000 kin

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hu-chiang Copper Mfg. Company

Nationality of Plant: Chinese

Location of Plant: Shanghai-shih; Ho-te Lu #1200

Organization of Plant: Joint investment

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Rolling machine	6
Coiling (reeling) machines (for copper wire)	2
Latnes	1
Others	4

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 243.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 6
Female: 0
Total: 6

Annual Production Capacity:

Products	Amount
Brass tape	476,575 MT
Brass wire	197,808 MT

1941 Output:

Products	Amount
Brass tape	476,575 MT
Brass wire	179,808 MT

1941 Raw Material Input:

Type	Amount
Brass tape	503,178 MT
Scrap copper	94,787 MT
New and scrap zinc	116,510 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hua-li Electric Wire Plant

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Nationality of Plant: Chinese

Location of Plant: Hu-nsi District; Hau-chia-nuai-t'u-shan-wan Lu; Kote Lu; Alley 98 #32

Organization of Plant: Joint Stock Company

Amount of Capital: 150,000

Installations (Production Equipment):

Type	Number
Braiding machines	43
Wire drawing bench	1
Wire stranding machine	1
Insenki	1
Slugoki	4

Installations (Prime Movers):

Number of Electric Motors, 6 ; total HP, 52

No of other types of prime movers, ; total HP,

Number of Workers:

Male:

Female:

Total:

Annual Production Capacity:

Products	Amount
1/18" insulated wire	25,000 spools

1941 Output:

Products	Amount
Idem.	22,700 spools

1941 Raw Material Input:

Type	Amount
Copper wire	60,000 lbs
Cotton gauze	35
Rubber	34,050 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-i en Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: P'ei-ch'eng Electric Works

Nationality of Plant: Chinese

Location of Plant: Center of International Settlement; British Concession; Mei-pai Lu, Alley of #90

Organization of Plant: (Not Given)

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Shugoki	2
Braiding machines	56
Copper wire drawing benches	5

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 18
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 13
Female: 4
Total: 17

Annual Production Capacity:

Products	Amount
Cord	25,000 reels (58 yds. per reel)
Rubber covered wire	30,000 reels (300 ft. per reel)

1941 Output:

Products	Amount
Cord	10,000 reels
Rubber covered wire	8,000 reels

1941 Raw Material Input:

Type	Amount
Copper wire	6,000 kg
Rubber	9,000 kg
Cotton thread	20 bales

SOURCE

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STAT

Name of plant: Chen-feng-i-chi Copper works

Nationality of Plant: Chinese

Location of Plant: Hu-nei District; Shangnai-shih; Ping-lang Lu #115

Organization of Plant: Joint Investment

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Rollers	7
Latnes	1

Installations (Prime Movers):
Number of Electric Motors, 9 ; total HP, 230
No of other types of prime movers, ; total HP,

Number of Workers:
Male:
Female:
Total:

Annual Production Capacity:

Products	Amount
Copper wire	2,600 piculs
Brass plate	6,000 piculs

1941 Output:

Products	Amount
Copper wire	1,800 piculs
Brass wire	6,000 piculs

1941 Raw Material Input:

Type	Amount
Lump brass	5,893 piculs
Lump red copper	1,673 piculs
Lump zinc	1,099 piculs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Sheng-li Electric Plant

Nationality of Plant: Chinese

Location of Plant: International Settlement; Mai-ken Lu, Alley 1, #60, 74

Organization of Plant: Joint Stock Company

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Braiding machines	28
6 ft. lathe	1
Others	4

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 7.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 2
Female: 0
Total: 2

Annual Production Capacity:

Products	Amount
Rubber covered wire	2,202 reels (30 ft. per reel)

1941 Output:

Products	Amount
Idem.	2,202 reels

1941 Raw Material Input:

Type	Amount
Purple copper wire	51,845 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chung-mei-ta-k'o Smelting Plant

Nationality of Plant: Chinese

Location of Plant: Western part of International Settlement; Chang-ping Lu #441

Organization of Plant: Joint Investment

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Smelters	10

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 20
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 33
Female: 0
Total: 33

Annual Production Capacity:

Products	Amount
Electrolytic Tin	150 piculs

1941 Output:

Products	Amount
Idem.	150 piculs

1941 Raw Material Input:

Type	Amount
Tin plate scrap	1,500 piculs

SOURCE

Shanghai Koryo Jittai Chose Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Fu-chien Metals Plant

Nationality of Plant: Chinese

Location of Plant: Western part of International Settlement; Ching-t'ing-p'an Lu; Tung chu-an-pin-nan-chang-te-fang #1b

Organization of Plant: Joint Investment

Amount of Capital: 25,000

Installations (Production Equipment):

Type	Number
Nail cutters	2
Wire drawing cencnes	7
"Sensosha" (Washing tank rollers?)	9
Capstan (pulley)	1

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 4
Female: 2
Total: 6

Annual Production Capacity:

Products	Amount
Brass nails	350,000 gross

1941 Output:

Products	Amount
Idem.	250,000 gross

1941 Raw Material Input:

Type	Amount
Iron wire	280 piculs
Copper wire	30 piculs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Sau-ta Metal Fasteners Plant

Nationality of Plant: Chinese

Location of Plant: West Part of International Settlement; Shangnai, Tsai-teng Lu #1071

Organization of Plant: Partnership

Amount of Capital: 40,000

Installations (Production Equipment):

Type	Number
Punching machines	21
Lathes	1
Drilling machine	1

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 20
Female: 24
Total: 44

Annual Production Capacity:

Products	Amount
Fasteners (zippers?)	180,000 feet

1941 Output:

Products	Amount
Fasteners	36,000 ft. (since August)

1941 Raw Material Input:

Type	Amount
Thin brass plate	4,600 lbs (since August)
Cloth tape	26,000 yds.

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Wang-ao-nsing Fastener Factory

Nationality of Plant: Chinese

Location of Plant: Nan-shin District; Nan-ching-nou-chia-pin-nan-wang-i ma Lu #63

Organization of Plant: Privately owned

Amount of Capital: 20,000

Installations (Production Equipment):

Type	Number
Iron wire cutters	1
Punchers	20
Cloth cutters	1
Treadle machine	1

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 3
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 10
Female: 0
Total: 10

Annual Production Capacity:

Products	Amount
Fasteners	25,000 dozen

1941 Output:

Products	Amount
Idem.	25,000 dozen plus

1941 Raw Material Input:

Type	Amount
Thin brass plate	125 piculs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industri[illegible]hai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Yuan-tung-chiu Metals Plant

Nationality of Plant: Chinese

Location of Plant: French Concession: Ring-chi-li Lu #106-114

Organization of Plant: (Not given)

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Large and small table model drill presses	19
Lathes	5
Pedal operated punchers	8
Others	28

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 7
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 21
Female: 4
Total: 25

Annual Production Capacity:

Products	Amount
Draw locks (for office desk keys)	2,000 dozen

1941 Output:

Products	Amount
Idem.	335 dozen (Oct. to Dec.)

1941 Raw Material Input:

Type	Amount
Brass plate	121 lbs.
Brass and yellow copper plate	311 lbs.
Key steel	300 lbs.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chiu-cheng Metal Work

Nationality of Plant: Chinese

Location of Plant: Shanghai: I-ting-pan Lu; Alley 559 #101

Organization of Plant: Joint Investment

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Buttonhole punches	6
Lathes	4
Button punchers	60
Others	9

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 19.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 21
Female: 58
Total: 79

Annual Production Capacity:

Products	Amount
Press buttons	70,000 gross

1941 Output:

Products	Amount
Idem.	36,000 gross

1941 Raw Material Input:

Type	Amount
Tin copper plate	30,000 kg
Phosphor copper wire	9,000 kg
Sulfuric acid	120 boxes
Nitric acid	120 boxes

SOURCE

Shanghai Koryo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-1 on Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chung-hsing Industrial Company

Nationality of Plant: Chinese

Location of Plant: Shanghai-tung-ching Lu #383

Organization of Plant: (Not Given)

Amount of Capital: (Not Given)

Installations (Production Equipment):

Type	Number
Sutton zinc powder ovens	3
Galvanized iron pots	5

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 198
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 15
Female: 0
Total: 15

Annual Production Capacity:

Products	Amount
Zinc powder	50 MT
Red lead powder	300 Boxes

1941 Output:

Products	Amount
Zinc powder	50 MT
Red lead powder	300 Boxes

1941 Raw Material Input:

Type	Amount
Zinc powder	100 MT
Bar lead	250 bars
"Shitei" (emery?)	70 MT

SOURCE

Shanghai Koryo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchurie Railway

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Name of plant: Chung-kuo Tube Mfg. Company

Nationality of Plant: Chinese

Location of Plant: Ma-pai Lu #389

Organization of Plant: Joint Stock Company

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Punchers	5
Lathes	6

Installations (Prime Movers):

Number of Electric Motors, 8 ; total HP, 55.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male:
Female:
Total:

Annual Production Capacity:

Products	Amount
Toothpaste tubes	28,800,000

1941 Output:

Products	Amount
Idem.	22,021,540

1941 Raw Material Input:

Type	Amount
Pure cotton	38,931 lbs.
Lead	908,388 lbs.
"Katu"	2,700 gallons

SOURCE

Shanghai Kogyo Jittai Chosa Shirvo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Ch'ang-ming Electric Clock Mfg. Co.

Nationality of Plant: Chinese

Location of Plant: Ts'ai-teng Lu District; Shanghai-shih; Chiao-chouLu #419

Organization of Plant: Joint Stock Company

Amount of Capital: 700,000 (Old currency)

Installations (Production Equipment):

Type	Number
Lathes	45
Punchers	13

Installations (Prime Movers):
Number of Electric Motors, 17 ; total HP, 43.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 220
Female: 0
Total: 220

Annual Production Capacity:

Products	Amount
Clocks	25,000
Alarms (for clocks)	5,000
Phonographs	6,000

1941 Output:

Products	Amount
Clocks	24,855
Alarms	4,611
Phonographs	5,115

1941 Raw Material Input:

Type	Amount
Various types of lump copper	598 piculs
Lump iron	504 piculs
Board wood	90,000 ft.
Springs	519

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Steel Refining Plant

Nationality of Plant: Swiss

Location of Plant: Shanghai Mei-chou Lu #610

Organization of Plant: Limited Stock

Amount of Capital: 5,000,000 Swiss francs

Installations (Production Equipment):

Type	Number
Miscellaneous rollers	18
Smelting furnaces	3
Electric furnaces	5

Installations (Prime Movers):

Number of Electric Motors, 52 ; total HP, 1,075
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	150
Female:	35
Total:	185

Annual Production Capacity:

Products	Amount
Cinnabar plate	100 MT
Metal foil	50 MT
Rolled plate	250 MT
Flat plate	100 MT

1941 Output:

Products	Amount
Cinnabar Plate	250 MT
Metal Foil	700 MT
Rolled Plate	750 MT
Flat Plate	200 MT

1941 Raw Material Input:

Type	Amount
"Jigane" (Earth metals?)	1,500 MT
Scrap	300 MT

SOURCE

Shanghai Koryo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Wei-chang Plant

Nationality of Plant: Chinese

Location of Plant: Hu-hsi District; Ping-lang Lu; Alley 349 #8

Organization of Plant: Privately Investment

Amount of Capital: 5,000

Installations (Production Equipment):

Type	Number

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 3

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 10
Female: 0
Total: 10

Annual Production Capacity:

Products	Amount
(Not Given)	

1941 Output:

Products	Amount
(Not Given)	

1941 Raw Material Input:

Type	Amount
(Not Given)	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Dairiku Iron Works

Nationality of Plant: Japanese

Location of Plant: T'an-tzu-wan-hsi-kuang-fu Lu'

Organization of Plant: Ltd. Stock Company

Amount of Capital: 1,904,000

Installations (Production Equipment):

Type	Number
Latnes	68
Milling machines	8
(Grinders)	12
Wood	13
Planes	4
Electric furnaces	2

Installations (Prime Movers):
Number of Electric Motors, 67 ; total HP, 478
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 513
Female: 8
Total: 581

Annual Production Capacity:

Products	Amount
Various types of machine tools	1,220

1941 Output:

Products	Amount
Various types of machine tools	153

1941 Raw Material Input:

Type	Amount
Steel stock	321,645 kg
Pig iron	573,104 kg
Scrap iron	346,243 kg
Non-ferrous Metals	6,629 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chung-yang Machine Tools Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Wu-t'ing Lu #550

Organization of Plant: Private Investment

Amount of Capital: 1,200,000

Installations (Production Equipment):

Type	Number
Drill presses	4
Lathes	52
Planes	3
Grinders	19
Milling machines	1

Installations (Prime Movers):

Number of Electric Motors, 88 ; total HP, 114

No of other types of prime movers, ; total HP,

Number of Workers:

Male:	204
Female:	0
Total:	204

Annual Production Capacity:

Products	Amount
Lathes	30
Drill presses	9
Spindles	9,000 sets
Jennies	24
Wool weaving machines	72

1941 Output:

Products	Amount
Spindles	5,000 sets

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Shun-chang machine tool plant

Nationality of Plant: Chinese

Location of Plant: Shai-hua-li Lu; Alley 27 #24

Organization of Plant: Private investment

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Planers	1
Lathes	4

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 5

No of other types of prime movers, ; total HP, 1(8 HP) (Kerosene)

Number of Workers:

Male:	35
Female:	0
Total:	35

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Lathes	30

1941 Raw Material Input:

Type	Amount
Crude iron	40 tons
Ingot iron	150 piculs
Steel	30 piculs
Copper	0.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway (

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STAT

Name of plant: Heng-hsin Mfg. Plant, Inc.

Nationality of Plant: Chinese

Location of Plant: Hsi-mo Lu Alley 849 #1/9 (Seymour Road)

Organization of Plant: Joint investment

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Lathes	32
Drill presses	7
Milling machines	2
Planes	3
Grinders	3

Installations (Prime Movers):

Number of Electric Motors, 53 ; total HP, 1047.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 53
Female: 0
Total: 53

Annual Production Capacity:

Products	Amount
Milling machines	48
Lathes	60
Flour milling machines	48

1941 Output:

Products	Amount
Milling machines	24
Lathes	60

1941 Raw Material Input:

Type	Amount
Crude iron	11,800 kg
Ingot iron	3,250 kg
Steel	900 kg
Copper	420 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Te-t'ai Iron Plant No. 1 and 2

Nationality of Plant: Chinese

Location of Plant: Chou-chia-tsui Lu Alley 762 #31 (Plant #1) and Alley 668

Organization of Plant: Joint investment

Amount of Capital: 500,000 yuan

Installations (Production Equipment):

Type	Number
Iron smelter	1
"Gureshi "	1

Installations (Prime Movers):

Number of Electric Motors, 19 ; total HP, 57
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 158
Female: 0
Total: 158

Annual Production Capacity:

Products	Amount
Machine tools	

1941 Output:

Products	Amount
Machine tools	96 tons (120 pieces)

1941 Raw Material Input:

Type	Amount
Pig iron	84 tons
Steel stock	12 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chung-hua Iron Works

Nationality of Plant: Chinese

Location of Plant: Chu-fu Lu #273

Organization of Plant: Ltd. Stock Company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Drill presses	5
Latnes	29

Installations (Prime Movers):

Number of Electric Motors, 12 ; total HP, 40.5
No of other types of prime movers, 1 ; total HP, 15 (Diesel engine)

Number of Workers:

Male: 75
Female: 0
Total: 75

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Machine tools	200 tons

1941 Raw Material Input:

Type	Amount
Crude iron	200 tons
Ingot iron) Steel) Iron Blate)	20 tons
Copper	5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Ming-ching Machine Tools Plant

Nationality of Plant: Chinese

Location of Plant: Hai-fang Lu #528

Organization of Plant: Private investment

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Lathes	24
Drill presses	4

Installations (Prime Movers):
Number of Electric Motors, 10 ; total HP, 47
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 52
Female: 0
Total: 52

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Lathes	253

1941 Raw Material Input:

Type	Amount
Crude iron	2,335 tons
Ingot iron	20 tons
Steel	5,800 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hai-wen Company

Nationality of Plant: Chinese

Location of Plant: Wu-ting Lu #615

Organization of Plant: Private investment

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Latnes	7
Milling machine	1
Drill presses	3

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 18
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 45
Female: 0
Total: 45

Annual Production Capacity:

Products	Amount
Drill presses	12
Lathes	12

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Crude iron	60 tons
Steel	3 tons
Lead	1.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chin-chang Iron Works

Nationality of Plant: Chinese

Location of Plant: Tung-yu-heng Lu #1062 to Tzu-li-nan Lu #32A

Organization of Plant: Private investment

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Lathes	13
Planes	1
Drill presses	3

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 53
Female: 2
Total: 55

Annual Production Capacity:

Products	Amount
Lathes	36
Pumps	24

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Machine oil	20 gallons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Ta-hua Machine Tools Mfg. Plant

Nationality of Plant: Chinese

Location of Plant: Ho-te Lu #853

Organization of Plant: (Not Given)

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Lathes	21
Drill presses	3
Milling machines	2

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 45
Female: 0
Total: 45

Annual Production Capacity:

Products	Amount
Lathes) Milling machines) Drill presses)	90

1941 Output:

Products	Amount
Lathes) Milling machines) Drill presses)	84

1941 Raw Material Input:

Type	Amount
Pig iron	50 tons
Steel and iron	5 tons
Copper	0.8 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Shanghai Machine Tool Plant

Nationality of Plant: Chinese

Location of Plant: Chou-chia-tsui Lu #1223

Organization of Plant: Ltd. Stock Company

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Lathes	20
Planes	2
Drill presses	10
Milling machine	1
Grinders	2

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 6.6
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 63
Female: 0
Total: 63

Annual Production Capacity:

Products	Amount
Lathes	30
Shapers	30
Drills	0

1941 Output:

Products	Amount
Lathes	30
Shapers	30
Drills	0

1941 Raw Material Input:

Type	Amount
Cast iron	8 MT
Wrougat iron	1 MT
Brass	0.5 MT
Machine oil	7 gallons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hsin-hua Mfg. Company (Ltd.)

Nationality of Plant: Chinese

Location of Plant: Wen-lin Lu Alley 30 #5

Organization of Plant: Ltd. Stock Company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number

Installations (Prime Movers):

Number of Electric Motors, 20 ; total HP, 50
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	39
Female:	0
Total:	39

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Machine tools	80

1941 Raw Material Input:

Type	Amount
Copper	18,000 lbs
Crude iron	140,000 lbs
Ingot iron	36,000 lbs
Steel	20,000 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Chih-chung Machine Tools Company,

Nationality of Plant: Chinese

Location of Plant: Ching-an-ssu Lu Alley 1458 #19-23

Organization of Plant: Ltd. Stock Company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Planes	2
Lathes	8
Drill presses	2

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 8
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 31
Female: 0
Total: 31

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Lathes	30

1941 Raw Material Input:

Type	Amount
Cast iron	20 tons
Soft iron	3 tons
Brass	0.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai. As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: P'ei-sheng Iron Works

Nationality of Plant: Chinese

Location of Plant: Chou-chia-tsui Lu #/05

Organization of Plant: (Not Given)

Amount of Capital: (Not Given)

Installations (Production Equipment):

Type	Number
Lathes	4
Drill presses	2

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 7.4
No of other types of prime movers, ; total HP,

Number of Workers:
Male:
Female:
Total:

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai As of June 1942), published by the South Manchuria Railway

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Name of plant: Ko-kyo Iron Plant

Nationality of Plant: Japanese

Location of Plant: T'ao-ming Lu #/10

Organization of Plant: Joint Stock Company

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Latnes	94
Grinders	5
Planes	4
Drill presses	17
Milling machines	0

Installations (Prime Movers):
Number of Electric Motors, 13 ; total HP, 54
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 204
Female: 0
Total: 204

Annual Production Capacity:

Products	Amount
Spinning and weaving machines and parts	1,825 (cast steel) MT 2,920 (castings?) MT 724 (Steel stock) MT

1941 Output:

Products	Amount
Spinning and weaving machines and parts	NB. No entries

1941 Raw Material Input:

Type	Amount
Steel plate	1,100 Ms(?) (Meters (?))
Round steel and polished round steel bars	3,800 Ms
Pig iron and scrap steel	25 MT
Brass	800 Ms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: C-ho Iron Plant

Nationality of Plant: Japanese

Location of Plant: T'so-ming Lu, Alley 863 #20

Organization of Plant: Joint investment

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Latnes	42
Grinders	18
Milling machines	4
Shapers	5
Drill presses	5

Installations (Prime Movers):
Number of Electric Motors, 9 ; total HP, 40
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 124
Female: 0
Total: 124

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Spinning and jenny spindles	60,000 sets
Spinning and roving spindles	8,000
Other machinery	84 tons

1941 Raw Material Input:

Type	Amount
Pig iron	106 tons
Steel stock	17 tons
Carbon steel	12 tons
Non-ferrous metals	42 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Dai-ho Iron Plant

Nationality of Plant: Japanese

Location of Plant: Hsiao-sha-tu Lu 98

Organization of Plant: Joint Stock Company

Amount of Capital: 1,400,000 (Parent company's capitalization)

Installations (Production Equipment):

Type	Number
Lathes	89
Milling machines	2
Drill presses	2
Grinders	51

Installations (Prime Movers):

Number of Electric Motors, 7 ; total HP, 85

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 98
Female: 0
Total: 98

Annual Production Capacity:

Products	Amount
Furyudetto (?) rollers	1,000 lbs
Rings	8,000 lbs
Spindles	500 lbs
Otners	10,900 lbs

1941 Output:

Products	Amount
Furyudetto (?) rollers	1,000 lbs
Rings	8,000 lbs
Spindles	500 lbs
Otners	10,000 lbs

1941 Raw Material Input:

Type	Amount
Soft steel	12,000 lbs
Hard steel	1,000 lbs
Pig iron	10,000 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Teyoda Automatic Machinery Sales Company

Nationality of Plant: Japanese

Location of Plant: Chi-ssu-fei-ern Lu #200

Organization of Plant: Joint Stock Company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Lathes	32
Shapers	6
Borers (Punchers)	12

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 45
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 142
Female: 0
Total: 142

Annual Production Capacity:

Products	Amount
Spinning machines looms and parts	40 tons
Automobile repair parts and parts for substitute gas (charcoal?) generators	5 tons

1941 Output:

Products	Amount
Spinning machines looms and parts	25 tons
Automobile repairs parts and parts for substitute gas generators	5 tons

1941 Raw Material Input:

Type	Amount
Pig iron	5 tons
Scrap	38 tons

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Shanghai Machine Mfg. Company

Nationality of Plant: Japanese

Location of Plant: Hang-chou Lu #141

Organization of Plant: Joint Stock Company

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Latnes	31
Shapers	3
Drill presses	6
Milling machines	3

Installations (Prime Movers):
Number of Electric Motors, 12 ; total HP, 69
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	109
Female:	0
Total:	109

Annual Production Capacity:

Products	Amount
Spinning and weaving machine parts	240 tons
Machine tools and parts	60 tons

1941 Output:

Products	Amount
Spinning and weaving parts	55 tons (June-Dec. 1941)
Machine tools and parts	60 tons

1941 Raw Material Input:

Type	Amount
Pig iron	60 tons
Soft steel	24 tons
Scrap iron	96 tons
Brass	6 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Yushin Iron Works

Nationality of Plant: Japanese

Location of Plant: Ching-chou Lu #340

Organization of Plant: Joint Stock Company

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Lathes	36
Shapers	4
Milling machines	2

Installations (Prime Movers):

Number of Electric Motors, 1/ ; total HP, 22
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	227
Female:	0
Total:	227

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Spinning machine parts	240 tons
Railroad parts	240 tons
Others	120 tons
Equipment for substitute fuel cars	600 pieces

1941 Raw Material Input:

Type	Amount
Pig iron	360 MT
Steel stock	360 MT
Non-ferrous metals	12 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Gunshoyoko Manufacturing Plant

Nationality of Plant: Japanese

Location of Plant: Yulin Lu #239

Organization of Plant: Ltd. Partnership

Amount of Capital: 150,000

Installations (Production Equipment):

Type	Number
Metal reed weaving machine	3
Drawn thread "koru" machine	10
Drawn thread finishing machine	17
Harudo manufacturing machine	8

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 3/
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 37
Female: 8
Total: 45

Annual Production Capacity:

Products	Amount
Metal (weaving) reeds	24,000
Various types of wooden reeds for spinning	Unknown

1941 Output:

Products	Amount
Metal reeds	21,600

1941 Raw Material Input:

Type	Amount
Special twisted yarn and thread	4,800 lbs
Round fibres 17½	42 tons
	24 piculs
Pitch	420 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Tanwa Iron Plant

Nationality of Plant: Japanese

Location of Plant: Ch'i-cn'i-ta-erl Lu #873

Organization of Plant: Privately owned

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Latnes	11
Milling machines	6
Vises	25

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 11
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 59
Female: 0
Total: 59

Annual Production Capacity:

Products	Amount
Spinning, weaving, and dyeing machines and parts	139,229 lbs
Lumber sawing machinery and general machinery	68,166 lbs

1941 Output:

Products	Amount
Spinning, weaving, and dyeing machines and parts	205,361.91
Lumber sawing machinery and general machinery	57,548.16

1941 Raw Material Input:

Type	Amount
Pig iron	20 tons
Iron stock	6 tons
Steel stock	0.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Nozaki Iron Plant

Nationality of Plant: Japanese

Location of Plant: K'un-ming Lu #42/

Organization of Plant: Privately owned

Amount of Capital: 25,000

Installations (Production Equipment):

Type	Number
Lathes	16
Planes	3
Borers	4
Grinders	2

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, /
No of other types of prime movers, ; total HP, /

Number of Workers:
Male: 36
Female: 1
Total: 37

Annual Production Capacity:

Products	Amount
Spinning machine parts	Unknown

1941 Output:

Products	Amount
Spinning machine parts	6,400 lbs.

1941 Raw Material Input:

Type	Amount
Castings	36 tons
Wrought iron	6 tons
Brass	1.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hakkyo Iron Plant

Nationality of Plant: Japanese

Location of Plant: Yai-nan Lu #115

Organization of Plant: Privately owned

Amount of Capital: 15,000

Installations (Production Equipment):

Type	Number
Lathes	26
Planes	1
Milling machines	2
Shapers	4
Drill presses	7
Grinders	3
Vise	15

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 14.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 51
Female: 0
Total: 51

Annual Production Capacity:

Products	Amount
Spinning machine attachments and spare parts	35,000 yen

1941 Output:

Products	Amount
Spinning machine attachments and spare parts	22,600 yen

1941 Raw Material Input:

Type	Amount
Castings	73,262 lbs
Wrought iron	9,838 lbs
Brass materials	2,535 lbs
Machine oil	10 gallons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Tokyo Shibaura Electric Corporation

Nationality of Plant: Japanese

Location of Plant: Ou-yang Lu #190

Organization of Plant: Joint Stock Company

Amount of Capital: 290,000,000

Installations (Production Equipment):

Type	Number
"Stuemu" (stemming) machines	2
Vibrating machines	4
Electric light bulb making machine	4
Electrothermal wire cutters	3
Gas compressors	1

Installations (Prime Movers):

Number of Electric Motors, 19 ; total HP, 48
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 10
Female: 53
Total: 63

Annual Production Capacity:

Products	Amount
Light bulbs	2,880,000

1941 Output:

Products	Amount
Light bulbs	885,597

1941 Raw Material Input:

Type	Amount
Glass bulbs	974,553

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hosoda Trading Company (Yang-shu-p'u Electric Light Bulb Works

Nationality of Plant: Japanese

Location of Plant: Pei-ching-lu Alley 508 #18-40

Organization of Plant: Joint Stock Company

Amount of Capital: (Not Given)

Installations (Production Equipment):

Type	Number
"Sutemu" (stemming) machine	6
Shearers	5
"Ekidasuto" machines	6
Wire cutters	10

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 5.25
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	20
Female:	17
Total:	37

Annual Production Capacity:

Products	Amount
Light bulbs for home use	2,500,000

1941 Output:

Products	Amount
Light bulbs for home use	1,020,000

1941 Raw Material Input:

Type	Amount
Glass tubing	4,000 lbs
"Handen"	1,000 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Toa Manufacturing Plant

Nationality of Plant: Japanese

Location of Plant: Pin-hiang Lu #49

Organization of Plant: Privately owned

Amount of Capital: 12,000

Installations (Production Equipment):

Type	Number
Presses	27
Lathes	11
Drill presses	7
Vise	50

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 23.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 86
Female: 0
Total: 86

Annual Production Capacity:

Products	Amount
Spinning machine attachments and parts	1,200,000 (pieces)

1941 Output:

Products	Amount
Spinning machine attachments and parts	582,000 (pieces)

1941 Raw Material Input:

Type	Amount
Steel wire	4,000 pounds
Iron wire	500 pounds
Steel plate	800 pounds
Iron plate	3,000 pounds
Milled plate	1,000 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: T'ai-li Machine Tool Manufacturing Plant

Nationality of Plant: Chinese

Location of Plant: I-ting-p'an Lu; Tung-chu-t'o-peng #300

Organization of Plant: Private investment

Amount of Capital: 2,200,000

Installations (Production Equipment):

Type	Number
Planers	9
Shapers	11
Milling machines	10
Grinders	19
Lathes	132

Installations (Prime Movers):

Number of Electric Motors, 28 ; total HP, 233.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 892
Female: 0
Total: 892

Annual Production Capacity:

Products	Amount
Spinning (machine) parts	Unknown

1941 Output:

Products	Amount
Spinning (machine) parts	405,000 yuan

1941 Raw Material Input:

Type	Amount
Crude iron	121.5 MT
Scrap iron bars)	
Round iron bars)	121.5 MT
Antimony plate)	
Non-ferous metals	27 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Hsin-i Machine Tools Corporation**

Nationality of Plant: **Chinese**

Location of Plant: **(Hu-hsi District) Mo-yü-shan-Lu #24**

Organization of Plant: **Corporation (limited liability)**

Amount of Capital: **1,200,000**

Installations (Production Equipment):

Type	Number
Lathes	**52**
Milling machines	**8**
Planes	**6**
Shapers	**5**
Drills	**8**

Installations (Prime Movers):

Number of Electric Motors, **14** ; total HP, **79.5**

No of other types of prime movers, ; total HP,

Number of Workers:

Male: **332**
Female: **1**
Total: **333**

Annual Production Capacity:

Products	Amount
Spinning machine and machine tools (60 feet lathes)	**Unknown**

1942 Output:

Products	Amount
Spinning machines and machine tools (60 feet lathes)	**6,000**
	70

1942 Raw Material Input:

Type	Amount
Crude iron	**500 tons**
Wrought iron	**70 tons**
Steel	**4 tons**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chung-ch'iu Iron Plant, Incorporated

Nationality of Plant: Chinese

Location of Plant: Hu-hsi District; Hu-hi-pin-hsiang Lu #930

Organization of Plant: Limited stock company

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Lathes	32
Planes	4
Horizontal milling machines	2
Shapers	3

Installations (Prime Movers):

Number of Electric Motors, ; total HP, 45
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 176
Female: 0
Total: 176

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Silk weaving machinery and artificial silk (rayon) weaving machines	Unknown
Wool weaving machines and various machines tools	Unknown

1941 Raw Material Input:

Type	Amount
Steel	500 tons
Cast iron	6,000 tons
Iron	40 tons
Pig iron	120 MT
Steel plate	7,100 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway STAT

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Name of plant: Unidentifiable Iron Plant

Nationality of Plant: Chinese

Location of Plant: Hsin-cha-Lu #163

Organization of Plant: Private investment

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Lathes	13
Milling machines	1
Planes	2
Drill press	1

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 125
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 32
Female: 0
Total: 32

Annual Production Capacity:

Products	Amount
Repairs on weaving machines and parts	600,000 (plus) yuan
Pea-coal machinery	Unknown

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Pig iron and scrap iron)	Unknown
Cast iron)	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hsing ch'ang Machine Corporation

Nationality of Plant: Chinese

Location of Plant: Chiao-chou Lu #Alley 273 #12

Organization of Plant: Limited stock company

Amount of Capital: 280,000

Installations (Production Equipment):

Type	Number
Planes	2
Lathes	22
Shapers	4
Drill presses	7
Scrapers	1

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 16.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 46
Female: 0
Total: 46

Annual Production Capacity:

Products	Amount
Bleaching and dyeing looms and parts	20

1941 Output:

Products	Amount
Bleaching and dyeing looms and parts	20 (600,000 yuan)

1941 Raw Material Input:

Type	Amount
Crude iron) Copper) Wood) Other metals)	35 Tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: I-ta Iron Works

Nationality of Plant: Chinese

Location of Plant: Pin-hsiang Lu #190

Organization of Plant: Limited stock company

Amount of Capital: 20,000

Installations (Production Equipment):

Type	Number
Unidentifiable item	41
Planes	3
Drill presses	11
Milling machine	1

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 36.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 63
Female: 0
Total: 63

Annual Production Capacity:

Products	Amount
Spinning machines and parts	Unknown

1941 Output:

Products	Amount
Idem.	250,000 yuan

1941 Raw Material Input:

Type	Amount
Crude iron	9.6 tons
Wrought iron	3.0 tons
Steel	0.5 tons
Copper	1.0 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: Li-min Iron Works Corporation

Nationality of Plant: Chinese

Location of Plant: T'ang-nao-t'o Lu: Tung-ching Lu #189-192

Organization of Plant: Limited stock company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Unidentifiable item	14
Drill presses (large and small)	10
Monkey wrenches (carpenter's pincers)	15

Installations (Prime Movers):

Number of electric motors: ; total HP, 10
No of other types of prime movers: ; total HP,

Number of Workers:

Male: 41
Female: 0
Total: 41

Annual Production Capacity:

Products	Amount
Spinning supplies) Weaving machine supplies) Textile printing machines)	84 tons

1941 Outputs:

Products	Amount
Idem.	82 tons

1941 Raw Material Input:

Type	Amount
Crude iron	70 tons
Wrought iron	30 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaisetsusho, Showa 17-nen Rokugatsu Gemmai (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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Name of Plant: **Yung-sheng Iron Works**

Nationality of Plant: **Chinese**

Location of Plant: **Hu-hsi-po-li-nan Lu #A94**

Organization of Plant: **Private investment**

Amount of Capital: **100,000**

Installations (Production Equipment):

Type	Number
Lathes	20
Planes	1
Shapers	3
Milling machines	1
Drill presses	7
Grinders	4

Installations (Prime Movers):

No of Electric Motors, 4 ; Total HP, 20
No of other types of prime movers, ; Total HP,

Number of Workers:

Male:	26
Female:	0
Total:	26

Annual Production Capacity:

Products	Amount
Jennies	12
Drillppresses	6
Lathes	20
Shapers	4
Looms	100

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Cast iron	2,000 pounds
Shafts	1,000 pounds
Structural steel	750 pounds
Iron plate (3/32 inch)	7 sheets
Scrap iron	3 tons

SOURCE

Shanghai Kogyo Jitsai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gemmei (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: T'ien-hua Weaving Needle Machine Plant

Nationality of Plant: Chinese

Location of Plant: French Concession; Chü-ch'in Lu #800

Organization of Plant: Partnership

Amount of Capital: 95,000

Installations (Production Equipment):

Type	Number
Lathes	17
Planes	1
Drill presses	6
Milling machines	5

Installations (Prime Movers):

Number of Electric Motors, ; total HP, 10.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male:	50
Female:	0
Total:	50

Annual Production Capacity:

Products	Amount
Stocking weaving machines	240
Hosiery machines	288

1941 Output:

Products	Amount
Stocking weaving machines	144
Hosiery machines	120

1941 Raw Material Input:

Type	Amount
Crude iron	40,000 MT
Wrought iron	7,200 MT
Steel stocks	800 MT
Copper stocks	1,000 MT

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Min Iron Works

Nationality of Plant: Chinese

Location of Plant: Po-li-nan Lu #559

Organization of Plant: Limited stock company

Amount of Capital: 180,000

Installations (Production Equipment):

Type	Number
Lathes	14
Presses	2
Planes	1
Drill presses	2

Installations (Prime Movers):
Number of Electric Motors, ; total HP, 6
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 52
Female: 0
Total: 52

Annual Production Capacity:

Products	Amount
Machine repairs	400,000 yuan

1941 Outputs:

Products	Amount
Machine repairs	400,000 yuan

1941 Raw Material Inputs:

Type	Amount
Crude iron	1.5 tons
Iron plate	0.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo. Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai As of June 1942), published by the South Manchuria Railway

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Name of Plant: **An-t'ai Iron Works**

Nationality of Plant: **Chinese**

Location of Plant: **Hsio-sha-tu Lu**

Organization of Plant: **Partnership**

Amount of Capital: **200,000**

Installations (Production Equipment):

Type	Number
Lathes	51
Planes	3
Shapers	8
Drill presses	10
Milling machines	5
Grinders	6

Installations (Prime Movers):
Number of electric motors, 6 ; total HP, 32.5
No. of other types of prime movers, ; total HP,

Number of Workers:

Male:	136
Female:	9
Total:	145

Annual Production Capacity:

Products	Amount
Spinning spindles, rebuilding of	Unknown
Specially built jennies	Unknown

1941 Output:

Products	Amount
Spinning spindles, rebuilding of	20,000
Specially built jennies	2,400

1941 Raw Material Input:

Type	Amount
Cast and crude iron	140 tons
Round bar steel	35 tons
Polished bar steel	125 piculs
Iron plate	75 piculs
Copper plate	40 piculs
Tin plate	300 sheets

SOURCE

Shanghai Kogyo Jitsai Chosa Shiryo Gaiatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hsien-ta Iron Works

Nationality of Plant: Swiss

Location of Plant: Ho-chien-Lu #345

Organization of Plant: Privately owned

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Lathes	7
Drill presses	5
Vises	18

Installations (Prime Movers):
Number of Electric Motors, 5 ; total HP, 30
No of other types of prime movers. ; total HP,

Number of Workers:
Male: 54
Female: 0
Total: 54

Annual Production Capacity:

Products	Amount
Hat manufacturing machine	Unknown
Silk weaving machine)	
Shapers)	40
Other weaving machines)	

1941 Output:

Products	Amount
Hat manufacturing machine	2
Silk weaving machine	5
Shapers	2
Other weaving machines	2

1941 Raw Material Input:

Type	Amount
Pig iron	120 (plus) pounds
Steel and iron	200 pounds
Brass	100 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Gensai (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Shanghai Precision Machine and Technological Company**

Nationality of Plant: **Japanese**

Location of Plant: **Pei-ssu-ch'uan Lu #807**

Organization of Plant: **Privately owned**

Amount of Capital: **400,000**

Installations (Production Equipment):

Type	Number
Drill press	**4**
Lathes	**15**
Planes	**2**

Installations (Prime Movers):
Number of Electric Motors, **22** ; total HP, **41.25**
No of other types of prime movers, ; total HP,

Number of Workers:
Male: **42**
Female: **0**
Total: **42**

Annual Production Capacity:

Products	Amount
Aircraft parts)	
Army and Navy ordnance parts)	**Unknown**
Other precision instruments)	

1941 Outputs:

Products	Amount
Aircraft parts)	
Army and Navy ordnance parts)	**700,000 yen**
Other precision instruments)	

1941 Raw Material Inputs:

Type	Amount
Special copper and iron stock	**5 tons**
Brass	**1 ton**
Castings	**20 tons**
Nickel	**2 tons**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of Plant: **The Chukoku Clock and Watch Manufacturing Corporation**

Nationality of Plant: **Japanese**

Location of Plant: **Hsü-chia-hui Lu #980**

Organization of Plant: **Limited stock company**

Amount of Capital: **1,200,000**

Installations (Production Equipment):

Type	Number
Lathes	**7**
Drill presses	**1**
Milling machines	**1**
Drill presses for watch manufacture	**10**
Planes	**1**

Installations (Prime Movers):

Number of Electric Motors, **2** ; total HP, **9.5**

No of other types of prime movers, ; total HP,

Number of Workers:

Male: **92**
Female: **0**
Total: **92**

Annual Production Capacity:

Products	Amount
Wall clocks	**14,400**

1941 Output:

Products	Amount
Wall clocks	**14,400**

1941 Raw Material Input:

Type	Amount
Copper skin (copper matte)	**15,000 pounds**
Springs	**24,000**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of Plant: **Ling Ch'un Electric Machine Manufacturing Company**

Nationality of Plant: **Chinese**

Location of Plant: **Ai-wen-i Lu #914**

Organization of Plant: **[Not given]**

Amount of Capital: **1,000,000**

Installations (Production Equipment):

Type	Number
Lathes	**29**
Milling machines	**6**
Planes	**5**

Installations (Prime Movers):

Number of Electric Motors, 7 ; total HP, 27
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 36
Female: 0
Total: 36

Annual Production Capacity:

Products	Amount
Electric motors	700

1941 Output:

Products	Amount
Electric motors	540

1941 Raw Material Inputs:

Type	Amount
Copper wire	9,600 pounds
Aluminum	11,500 pounds
Pig iron	360,000 pounds
Silicon	8,000 pounds
Bar copper	12,000 pounds
Cast copper	20,000 kilograms

SOURCE

Shanghai Keeyo Jitsei Chosa Shirro Gaikatsuhyo, Showa 17-nen Rokugatsu Gemmi (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Nung-tan Machine and Iron Plant

Nationality of Plant: Chinese

Location of Plant: Hai-ma Lu #301

Organization of Plant: Unlimited liability company

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Lathes	24
Drill presses	4
Milling machines	2
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 12 ; total HP, 17.85
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 64
Female: 0
Total: 64

Annual Production Capacity:

Products	Amount
Water meters	6,000
Fire extinguishers	6,000
Fire fighting pumps	60
Micrometers	Unknown

1941 Output:

Products	Amount
Water meters	6,000
Fire extinguishers	6,000
Fire fighting pumps	None
Micrometers	None

1941 Raw Material Input:

Type	Amount
Yellow copper regulus	1,100 kilograms
Yellow copper skin (matte)	400 kilograms
Purple copper regulus	3,500 kilograms
Iron plate	26,000 kilograms
Round and flat iron bars	5,000 kilograms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Heng-li Clock and Watch Company**

Nationality of Plant: **Chinese**

Location of Plant: **Nan-ching Lu #262**

Organization of Plant: **Limited stock company**

Amount of Capital: **300,000**

Installations (Production Equipment):

Type	Number

Installations (Prime Movers):

Number of electric motors. ; total HP.

No of other types of prime movers. ; total HP.

Number of Workers:

Male: 47
Female: 0
Total: 47

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaiyatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway.

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Name of plant: Hsin-hua Machine Plant

Nationality of Plant: Chinese

Location of Plant: P'ai-k'o Lu #151

Organization of Plant: Limited stock company

Amount of Capital: 83,000

Installations (Production Equipment):

Type	Number
Lathes	8
Planes	1
Drill presses	3
Grinders	2
Milling machines	1

Installations (Prime Movers):

Number of Electric Motors: 2 ; Total HP, 10
No of other types of prime movers, ; Total HP,

Number of Workers:

Male: 32
Female: 0
Total: 32

Annual Production Capacity:

Products	Amount
Electric Distributor cases	3,600
Electric distributor cases electrodes	3,600
Switches	6,000
Bearing indicators	360
Glues for repairing tires	36,000
Thermo-electric director shelf (Transformers)	36 piculs

1941 Output:

Products	Amount
Electric distributor cases	3,600
Electric distributor cases electrodes	6,000
Switches	6,000
Bearing indicators	360
Glues for repairing tires	3,600 kin
Thermo-electric director shelf (Transformers)	36 piculs

1941 Raw Material Input:

Type	Amount
Copper regulus	18,000 pounds
Unidentifiable item	108,000 pounds
Copper wire	14,400 pounds
Copper skin (matte)	18,000 pounds
Iron skin (matte)	11,600 pounds
Wood glue powder	72,000 pounds
Colored copper fragments	72,000 pounds
Rubber (insulation)	18,000 pounds
Machine oil	7,200 gallons

SOURCE:

Shanghai Kogyo Jittai Chosa Shiryo Geiretsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Pao-chiu Electric Works

Nationality of Plant: Chinese

Location of Plant: Hsing-chia-fan Lu #913

Organization of Plant: Private investment

Amount of Capital: 55,000

Installations (Production Equipment):

Type	Number
Vacuum pumps	12
Air compression pump	1
Gasupana (gas burner)	2

Installations (Prime Movers):

Number of electric motors: 1 ; total HP, 3

No of other types of prime movers, ; total HP,

Number of Workers:

Male:	30
Female:	23
Total:	53

Annual Production Capacity:

Products	Amount
Small electric light bulbs	2,500,000

1941 Output:

Products	Amount
Small electric light bulbs	2,160,000

1941 Raw Material Inputs:

Type	Amount
Gas pipe	39 tons
Copper buttons	2,160,000
Substitute wire	60 pounds
A type of wire	43,200 meters
Stone glue powder	48 kin
Cast tin	432 kin

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **A-chou Watch Company**

Nationality of Plant: **Chinese**

Location of Plant: **Yen-'ing Lu K'ang-chia-ch'iao #184**

Organization of Plant: **Partnership**

Amount of Capital: **50,000**

Installations (Production Equipment):

Type	Number

Installations (Prime Movers):

Number of Electric Motors, 3 : total HP, 17.5
No of other types of prime movers, : total HP,

Number of Workers:

Male: 48
Female: 0
Total: 48

Annual Production Capacity:

Products	Amount
Alarm clocks	**16,800**

1941 Output:

Products	Amount
Alarm clocks	**None**

1943 Raw Material Input:

Type	Amount
Steel plate	
Steel wire	
Copper	
Iron plate	**12 tons**
Bar copper	

SOURCE

Shuwwai Kogyo Jitai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Gensai (Investigation Report on Actual Condition of Industries in Shanghai, as of June 1942), published by the South Manchuria Railway

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Name of plant: **Shanghai Clock Works**

Nationality of Plant: **Chinese**

Location of Plant: **Meng-te-lan Lu #150**

Organization of Plant: **Partnership**

Amount of Capital: **30,000**

Installations (Producting Equipment):

Type	Number
Lathes	5
Drill press	1
Planes	1
Bench drills	2
Milling machines	2
Bench lathes	20
Punchers	7
Small grinders	2

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 15

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 101
Female: 10
Total: 111

Annual Production Capacity:

Products	Amount
Wall and desk clocks	16,000

1941 Outputs:

Products	Amount
Wall and desk clocks	9,000

1941 Raw Material Inputs:

Type	Amount
Brass	6 tons
Iron wire	1.5 tons
Springs	480 gross

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geiretsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, 17 of June 1942), published by the South Manchuria Railway

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Name of plant: **Nitto Manufacturing Company**

Nationality of Plant: **Japanese**

Location of Plant: **Yang-chou Lu #267**

Organization of Plant: **Joint stock company**

Amount of Capital: **250,000**

Installations (Production Equipment):

Type	Number
Lathes	15
Planes	1
Shapers	2
Milling machines	1
Drill presses	3

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 16
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 62
Female: 0
Total: 62

Annual Production Capacity:

Products	Amount
Air compressors	66
"Rutsu" blowers	59
Various types of pumps	36
Grinders for various tools	6
Sprayer and parts	

1941 Output:

Products	Amount
Air compressors	45,200 yen
"Rutsu" blowers	24,200 yen
Various types of pumps	8,650 yen
Grinders	1,100 yen
Sprayer and parts	5,300 yen

1941 Raw Material Inputs:

Type	Amount
Cast iron	20 tons
Soft steel	35 tons
Steel plate	1.25 tons
Brass castings	1.25 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Daito Iron Plant (casting division)**

Nationality of Plant: **Japanese**

Location of Plant: **Shu-yu-shih-hsüan Lu #1158 (for casting); K'un-ming-lu-shun-huo-li #35141 (for iron)**

Organization of Plant: **Individual owner**

Amount of Capital: **300,000**

Installations (Production Equipment):

Type	Number
Iron smelting furnace	**1**
Lathes	**4**
Planes	**2**
Drill presses	**2**

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 17.75
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 38
Female: 10
Total: 48

Annual Production Capacity:

Products	Amount
Cast iron	
Bakelite	
Steel materials	

1941 Output:

Products	Amount
Cast iron	**60 tons**
Bakelite	**12 tons**
Steel materials	**3 tons**

1941 Raw Material Input:

Type	Amount
Cast iron	**72 tons**
Pig iron	**48 tons**

SOURCE

Shanghai Kogyo Jitsui Chosa Shiryo Gaiyatsubyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Eikyo Iron Plant

Nationality of Plant: Japanese

Location of Plant: P'ing-ching Lu #731

Organization of Plant: Individual owner

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Lathes	14
Drill presses	6

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 51.75

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 40
Female: 0
Total: 40

Annual Production Capacity:

Products	Amount
Miscellaneous machinery	
Regenerated pig iron	2,700 tons
Steam drills,(awls) manufacture and repair of Tanks, etc.	

1941 Output:

Products	Amount
Miscellaneous machinery	100,000 yen
Regenerated pig iron	130,000 yen
Steam drills (awls), manufacture and repair of Tanks, etc.	50,000 yen
	200,000 yen

1941 Raw Material Input:

Type	Amount
Iron	50 tons
Scrap iron	600 tons
Pig iron	18 tons
Various alloys	6 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway.

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RESTRICTED

Name of plant: **Nishiyama Iron Works**

Nationality of Plant: **Japanese**

Location of Plant: **Chou-chia-tsui Lu Alley 89 #15**

Organization of Plant: **Individual owner**

Amount of Capital: **130,000**

Installations (Production Equipment):

Type	Number
Lathes	**3**
Drill presses	**2**

Installations (Prime Movers):

Number of Electric Motors, 7 ; total HP, 20
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 36
Female: 0
Total: 36

Annual Production Capacity:

Products	Amount
Bolts and nuts)	
Rivets)	**50,000 kilograms**
Hammers)	

1941 Output:

Products	Amount
Bolts and nuts)	
Rivets)	**18,000 kilograms**
Hammers)	

1941 Raw Material Input:

Type	Amount
Pig iron)	
Scrap iron)	**240,000 kilograms**

SOURCE

Shanghai Kogyo Jittai Chosa Shirro Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: The Nomura Industries, Incorporated (Iron Works)

Nationality of Plant: Japanese

Location of Plant: Yu-lin Lu #801

Organization of Plant: Joint Stock Company

Amount of Capital: 120,000

Installations (Production Equipment):

Type	Number
Lathes	5
Drill presses	3
Planes	1
Shapers	2

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 3.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 22
Female: 0
Total: 22

Annual Production Capacity:

Products	Amount
Machinery for lumber mills	1
Band saws	6
Circular saws	1
Parts for lumbering machines	

1941 Output:

Products	Amount
Machinery for lumber mills	3,000 yen
Band saws	1,000 yen
Circular saws	1,000 yen
Parts for lumber machines	1,000 yen

1941 Raw Material Input:

Type	Amount
Cast iron	1.75 tons
Iron stock	0.625 tons
Steel stock	0.125 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Nomura Industries, Incorporated (Files Division)

Nationality of Plant: Japanese

Location of Plant: P'ing-ching-lu; Alley 725 #45

Organization of Plant: Joint stock company

Amount of Capital: 120,000

Installations (Production Equipment):

Type	Number
Prick punches	11

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 35
Female: 0
Total: 35

Annual Production Capacity:

Products	Amount
Files	2,000 dozen
Files, repair	3,000 dozen

1941 Output:

Products	Amount
Files	25,000 yen
Files, repair	12,000 yen

1941 Raw Material Input:

Type	Amount
Steel stock (old files)	60 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Higashikata Iron Works

Nationality of Plant: Joint Sino-Japanese

Location of Plant: Liao-yang Lu #342

Organization of Plant: Joint investment

Amount of Capital: 100,000

Installations (Productions Equipment):

Type	Number
Lathes	5
Grinders	1
Planes	1

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 11
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 59
Female: 0
Total: 59

Annual Production Capacity:

Products	Amount
Iron grating	
Iron framing	
Building materials	

1941 Output:

Products	Amount
Iron grating	120,000 Square Shaku

1941 Raw Material Input:

Type	Amount
Round iron and angle iron) Steel plate and steel stock)	210 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Wakyo Iron Works

Nationality of Plant: Japanese

Location of Plant: Kung-p'ing Lu #518 (Number 1) and Map-hai Lu #511-513 (Number 2)

Organization of Plant: Partnership

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Lathes	6
Shapers	2
Planes	1
Drill presses	4

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 8
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 47
Female: 0
Total: 47

Annual Production Capacity:

Products	Amount
General iron goods	120 tons

1941 Output:

Products	Amount
General iron goods	120 tons

1941 Raw Material Input:

Type	Amount
Steel	3,240 kilograms
Iron	4,280 kilograms
Non-ferrous metals	700 kilograms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuiyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of Plant: Dairiku Iron Works

Nationality of Plant: Japanese

Location of Plant: Hsi- -te Lu; Wu-chang Lu #53-55

Organization of Plant: Joint Sino-Japanese Partnership

Amount of Capital: 20,000

Installations (Production Equipment):

Type	Number
Lathes	11
Drill presses	2

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 3
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 32
Female: 0
Total: 32

Annual Production Capacity:

Products	Amount
Various types of valves and valve attachments for water pipes	1 ton
Ship repairs	

1941 Output:

Products	Amount
Various types of valves	10,000 yuan
Ship repairs	

1941 Raw Material Inputs:

Type	Amount
Cast iron	1.0 ton
Steel stock	0.1 ton
Brass	0.1 ton

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Onobu Electric Welding Works**

Nationality of Plant: **Japanese**

Location of Plant: **Fei-feng Lu #677**

Organization of Plant: **Individual owner**

Amount of Capital: **5,000 yen**

Installations (Production Equipment):

Type	Number
Lathes	**4**
Drill presses	**3**
Welders	**7**

Installations (Prime Movers):

Number of Electric Motors, **1** ; total HP, **40**
No of other types of prime movers, ; total HP,

Number of Workers:

Male: **90**
Female: **0**
Total: **90**

Annual Production Capacity:

Products	Amount
Bridge ends	
Iron plate	

1941 Output:

Products	Amount
Bridge ends	**600 tons**
Iron plate	**360 tons**

1941 Raw Material Input:

Type	Amount
Rivets (copper)	**18,000 kilograms**
Welding rods (iron)	**12,000 kilograms**

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chu-feng-t'ung-chi Crockery Works

Nationality of Plant: Chinese

Location of Plant: Hu-hsi-district; Pin-liang Lu #200

Organization of Plant: Limited stock company

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Lathes	2
Drill presses	1
Enamel powder grinders	9

Installations (Prime Movers):

Number of Electric Motors, 7 ; total HP, 83

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 41
Female: 3
Total: 44

Annual Production Capacity:

Products	Amount
Various types of enamelled iron utensils	806,500 dozen

1941 Output:

Products	Amount
Various types of enamelled iron utensils	200 tons

1941 Raw Material Input:

Type	Amount
Black iron plate	200 tons
Borax	18 tons
Loellingite	4,300 kilograms
Unidentified item	6 tons
Feldspar	360 piculs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Shows 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of Plant: Hsin-chung Kuo Iron Works

Nationality of Plant: Chinese

Location of Plant: Hsiao-sha-tu Lu Alley 895 #60

Organization of Plant: Joint investment

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Lathes	29
Milling machines	4
Shapers	7
Planes	2
Drill presses	7

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 14.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 132
Female: 0
Total: 132

Annual Production Capacity:

Products	Amount
Various types of tobacco machinery	15

1941 Output:

Products	Amount
Idem.	598,000 yuan

1941 Raw Material Inputs:

Type	Amount
Crude iron	30,000 pounds
Wrought iron	1,000 pounds
Copper	1,000 pounds
Unidentifiable item	1,000 pounds
Unidentifiable item	1,200 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Ch'i-hsin Iron Works Company**

Nationality of Plant: **Chinese**

Location of Plant: **Tung-ching-Lu #626**

Organization of Plant: **Limited stock company**

Amount of Capital: **300,000**

Installations (Production Equipment):

Type	Number
Lathes	**8**
Drill presses	**5**
Shapers	**2**
Milling machine	**18**
Sawing machine	**1**

Installations (Prime Movers):

Number of Electric Motors, **3** ; total HP, **8.5**

No of other types of prime movers, ; total HP,

Number of Workers:

Male: **47**
Female: **4**
Total: **51**

Annual Production Capacity:

Products	Amount
Screw (threaded) needles	**100,000 gross**

1941 Output:

Products	Amount
Idem.	**6,000 gross**

1941 Raw Material Input:

Type	Amount
Iron wire materials	**15,000 pounds**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Hsing-t'ung Machine Works**

Nationality of Plant: **Chinese**

Location of Plant: **Hsi-hung-k'ou District; Chieh Lu #219-221**

Organization of Plant: **Private investment**

Amount of Capital: **200,000**

Installations (Production Equipment):

Type	Number
Lathes	**4**
Planes	**1**
Drill presses	**3**

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 6
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 33
Female: 0
Total: 33

Annual Production Capacity:

Products	Amount
Condiments machines	**17**
Matches machine	
Standard vacuum pumps	
Coal ball machines	**2**

19h1 Output:

Products	Amount
Standard vacuum pumps	**4**

19h1 Raw Material Input:

Type	Amount
Cast iron	**2,000 kin**
Crude iron	**10 tons**
Steel stock	**100 pounds**
Brass	**300 pounds**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaiyatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industry [illegible], As of June 19h2), published by the South Manchuria Railway [illegible]

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Name of plant: Ta-yüan Iron Works

Nationality of Plant: Chinese

Location of Plant: French Concession; She-shen-wen-Lu Alley 78 #2

Organization of Plant: Joint investment

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Cupolas	1
Blowers	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 3

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 37
Female: 2
Total: 39

Annual Production Capacity:

Products	Amount
Pots	60 tons
Regenerated pig iron	

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Ta-hua Iron Works**

Nationality of Plant: **Chinese**

Location of Plant: **Kung-p'ing Lu #396**

Organization of Plant: **Limited stock company**

Amount of Capital: **100,000**

Installations (Production Equipment):

Type	Number
Lathes	**5**
Planers	**2**
Drill presses	**1**

Installations (Prime Movers):

Number of Electric Motors, **7** ; total HP, **28**
No of other types of prime movers, ; total HP,

Number of Workers:

Male: **47**
Female: **0**
Total: **47**

Annual Production Capacity:

Products	Amount
Medical instruments	**500 dollars (TN: Type not specified)**
Steel beds	**2,500 dollars**
Steel tools	**3,500 dollars**
"Koraba"	**7,000 dollars**

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Steel plate)	
iron)	
iron)	**27 MT**
Angle iron)	
iron pipe)	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Goikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Chung-kuo-yung-hsteh Technological Plant

Nationality of Plant: Chinese

Location of Plant: Hsi-hung-chieh Lu, Alley 257 #5

Organization of Plant: Partnership

Amount of Capital: 64,000

Installations (Production Equipment):

Type	Number
Lathes	4
Drill presses	4

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 3.75
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 46
Female: 4
Total: 50

Annual Production Capacity:

Products	Amount
"Number rings"	2,400

1941 Output:

Products	Amount
"Number rings"	2,000

1941 Raw Material Input:

Type	Amount
Iron plate	1 tone
Brass	0.5 ton
Steel	7,000 pounds
Copper	Illegible

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of Plant: Yao-hua Medical Instrument Works

Nationality of Plant: Chinese

Location of Plant: Tso-hsia Lu, T'ai-ku-Lu, Alley 244 #1-3

Organization of Plant: Partnership

Amount of Capital: 50,000 yuan

Installations (Production Equipment):

Type	Number
Lathes	1
Drill presses	2

Installations (Prime Movers):

Number of Electric Motors, 1 ; Total HP, 2

No of other types of prime movers, ; Total HP,

Number of Workers:

Male: 46
Female: 0
Total: 46

Annual Production Capacity:

Products	Amount
Scales	6,000
Surgical scissors	6,000
Stethoscopes	6,000
Tweezers	6,000
Knives (surgical)	6,000

1941 Output:

Products	Amount
Scales	3,000
Surgical scissors	3,000
Stethoscopes	3,000
Tweezers	3,000
Knives (surgical)	3,000

1941 Raw Material Input:

Type	Amount
Yellow copper plate	over 10 piculs
Angle iron bars	over 20 piculs
Round iron bars	over 10 piculs
Copper	over 20 piculs

SOURCE

Shanghai Kogyo Jitsubi Chosa Shiryo Gaiyatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Yao-kung-chi Machine Plant

Nationality of Plant: Chinese

Location of Plant: Hsi-hung-k'ou District; Alley (Hai-ning Lu) #1150 #100

Organization of Plant: Private capital

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Presses	2
Lathes	7
Drill presses	3
Planes	2

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 9
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 46
Female: 0
Total: 46

Annual Production Capacity:

Products	Amount
Printing presses	

1941 Output:

Products	Amount
Printing presses	36

1941 Raw Material Input:

Type	Amount
Crude and wrought iron	18 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Ch'en-liao-ch'ang Iron and Steel Works

Nationality of Plant: Chinese

Location of Plant: Hsi-hung-k'ou District Pei-ho-nan Lu; Alley 265 #12

Organization of Plant: Limited stock company

Amount of Capital: 15,000

Installations (Production Equipment):

Type	Number
Lathes	1
Drill presses	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 6
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 69
Female: 0
Total: 69

Annual Production Capacity:

Products	Amount
Steel writing materials	
Silver boxes	

1941 Output:

Products	Amount
Steel writing materials	350 sets
Silver boxes	17 sets

1941 Raw Material Inputs:

Type	Amount
Thin iron plate	24 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Hsin-hua Iron Works**

Nationality of Plant: **Chinese**

Location of Plant: **Hu-hsi District; Chi-ssu-fei-erh Lu; Alley 428 #62**

Organization of Plant: **Partnership**

Amount of Capital: **135,000**

Installations (Production Equipment):

Type	Number
Lathes	**6**
Drill presses	**2**

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 32
Female: 0
Total: 32

Annual Production Capacity:

Products	Amount
Repairs to various kinds of machinery	

1941 Output:

Products	Amount
Idem.	**8.5 tons**

1941 Raw Material Input:

Type	Amount
Crude iron	**8 tons**
Wrought iron	**1 ton**
Steel	**0.5 tons**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Lien-k'ang Iron and Steel Tool Company**

Nationality of Plant: **Chinese**

Location of Plant: **Hsi-hung-k'ou District; Pei-ho-nan Lu, Alley 365, #21**

Organization of Plant: **Limited stock company**

Amount of Capital: **7,400**

Installations (Production Equipment):

Type	Number
Iron plate bending machine	**1**

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 2.25
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 34
Female: 0
Total: 34

Annual Production Capacity:

Products	Amount
Safety deposit boxes (coin boxes)	**360,000 dollars (TN: Type of dollars is unspecified)**
Writing desks	

1941 Output:

Products	Amount
Safety deposit boxes	**360,000 dollars**
Writing desks	

1941 Raw Material Input:

Type	Amount
Iron plate	**6,000 kilograms**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Piao-shun (Standard) Iron Grate Works

Nationality of Plant: Chinese

Location of Plant: Hu-hsi District; (TN: No further address given)

Organization of Plant: [Not given]*

Amount of Capital:

Installations (Production Equipment):

Type	Number
Lathes	1
Drill presses	3

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 3
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 50
Female: 0
Total: 50

Annual Production Capacity:

Products	Amount
Window frames	5,000

1941 Output:

Products	Amount
Window frames	240,000 dollars

1941 Raw Material Input:

Type	Amount
Pig iron) Steel)	24 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of Plant: Hsieh-chi Tools and Iron Works

Nationality of Plant: Chinese

Location of Plant: Tung-yu-heng Lu #755

Organization of Plant: [Not given]

Amount of Capital: [Not given]

Installations (Production Equipment):

Type	Number
Lathes	7
Planes	1
Milling machines	1

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 36
Female: 0
Total: 36

Annual Production Capacity:

Products	Amount
Ship and boat engines	20

1941 Output:

Products	Amount
Idem.	15

1941 Raw Material Input:

Type	Amount
Cast iron	24 tons
Steel stock	12 tons
Others	3 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Kuo-shun-hsing Iron Works

Nationality of Plant: Chinese

Location of Plant: K'ang-nao-t'o Lu #225

Organization of Plant: [Not given]

Amount of Capital: [Not given]

Installations (Production Equipment):

Type	Number
[Not given]	

Installations (Prime Movers):

Number of Electric Motors, ; total HP,

No of other types of prime movers, ; total HP,

Number of Workers:

Male:

Female:

Total:

Annual Production Capacity:

Products	Amount
[Not given]	

1941 Output:

Products	Amount
[Not given]	

1941 Raw Material Input:

Type	Amount
[Not given]	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: I-ch'ih Iron Works

Nationality of Plant: Italian

Location of Plant: Ning-wu Lu #269

Organization of Plant: Private investment

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Metal and steel braiding machines	9
Wire drawing benches	16
Wire reeling machines	2

Installations (Prime Movers):

Number of Electric Motors, 25 ; total HP, 110
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 39
Female: 4
Total: 43

Annual Production Capacity:

Products	Amount
Blue steel	
New iron wire	

1941 Output:

Products	Amount
Blue steel	6,000 rolls
New iron wire	40 tons

1941 Raw Material Input:

Type	Amount
Pig iron	130 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Liao-fa Industrial Works**

Nationality of Plant: **German**

Location of Plant: **Hung-k'ou District; Tung-yu-heng Lu #907**

Organization of Plant: **Private investment**

Amount of Capital: **18,000**

Installations (Production Equipment):

Type	Number
Lathes	9
Planes	5
Drill presses	1
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 24
Female: 1
Total: 25

Annual Production Capacity:

Products	Amount
Drugs	
Miscellaneous manufactured items	

1941 Output:

Products	Amount
Drugs)	12 tons
Misellaneous manufactured items)	

1941 Raw Material Input:

Type	Amount
Crude iron	12 tons
Wrought iron	3 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Caikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Kachu Toyoda Automobile Manufacturing Compa

Nationality of Plant: Japanese

Location of Plant: Ho-chien Lu #1193

Organization of Plant: Joint stock Company

Amount of Capital: 3,151,750

Installations (Production Equipment):

Type	Number
Lathes	11
Planes	1
Milling machines	1
Drill presses	4
Grinders	9
Engine Tento Stands	7

Installations (Prime Movers):
Number of Electric Motors, 44 ; total HP, 140.5
No of other types of prime movers, 1 ; total HP,
(Boiler 4'x8')

Number of Workers:
Male: 285
Female: 3
Total: 288

Annual Production Capacity:

Products	Amount
Automobiles assembled	150
Bodies manufactured	100
Parts manufactured	100,000 yen
Burners manufactured (TN: The terminology is obscure and possibly denotes an oil or coal burner generator)	100

1941 Output:

Products	Amount

1941 Raw Material Inputs:

Type	Amount
Steel	10,661 pounds
Iron	39,933 pounds
Paint	412 pounds

SOURCE

Shanghai Kogyo Jittai Chose Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **The Enami Engineering Works, Limited**

Nationality of Plant: **Japanese**

Location of Plant: **Wai-ma Lu #1076**

Organization of Plant: **Joint stock company**

Amount of Capital: **750,000**

Installations (Production Equipment):

Type	Number
Lathes	28
Planes	4
Milling machines	3
Drill presses	7
Grinders	9

Installations (Prime Movers):
Number of electric motors, 8 ; total HP, 90.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 155
Female: 0
Total: 155

Annual Production Capacity:

Products	Amount
15 HP semi-diesel or hot-bulb engines	180

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Ordinary steel	112,464 pounds
Copper	252 pounds
Brass	2,520 pounds
Hoito metal	2,268 pounds
Other materials	36,156 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chuka Koygo (Industrial) Company, Automobile Works

Nationality of Plant: Japanese

Location of Plant: T'ien-pao Lu, Chang-chia-hsiang Lu

Organization of Plant: Joint stock company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Lathes	4
Planes	1
Drill presses	8

Installations (Prime Movers):

Number of Electric Motors, 11 ; total HP, 136
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 141
Female: 1
Total: 142

Annual Production Capacity:

Products	Amount
Bus chassis	36
Truck chassis	72
Gas generators (for cars)	120
Gas generators (for trucks)	360
Gas generators (for three-wheeled motorcycles)	12

1941 Output:

Products	Amount
Bus chassis	36
Truck chassis	72
Gas generators for cars	120
Gas generators for trucks	360
Gas generators for three-wheeled motorcycles	12

1941 Raw Material Input:

Type	Amount
Iron plate	12,250 kilograms
Flat iron	445.5 kilograms
Round steel bars	597.8 kilograms
Angles (Angle iron)	3,336.7 kilograms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaitatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Nissan Automobile Works; Shanghai Division

Nationality of Plant: Japanese

Location of Plant: Ta-lien-wan Lu #74a770

Organization of Plant: Joint stock company

Amount of Capital: 5,000,000

Installations (Production Equipment):

Type	Number
Lathes	2
Shearing and drilling machines	1
Air compressors	2
Drill press	1

Installations (Prime Movers):

Number of electric motors, 5 ; total HP, 65
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 144
Female: 1
Total: 145

Annual Production Capacity:

Products	Amount
Automobile repaired	720 cars (major repairs)
Gas generators installed	500

1941 Output:

Products	Amount
Automobiles repaired	720 (major repairs)
Gas generators installed	500

1941 Raw Material Input:

Type	Amount
Iron plate and iron materials	50 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Kanwa Industrial Company

Nationality of Plant: Japanese

Location of Plant: Heng-peng Lu #211

Organization of Plant: Joint stock company

Amount of Capital: 100,000

Installations (Production equipment):

Type	Number
Lathes	9
Planes	2
Drill presses	2
Milling machines	5
Grinders	1
Shapers	2

Installations (Prime Movers):
Number of Electric Motors, 6 ; total HP, 21.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 116
Female: 0
Total: 116

Annual Production Capacity:

Products	Amount
Railroad equipment	30 tons
Manufacture of and work on (railroad) track maintenance equipement	100 sets
Track welding	3,000 sites
Signal safety devices; Manufacturing and installation of	200
Barbering instruments	2,000 dozen

1941 Output:

Products	Amount
Railroad equipment	17 tons
Manufacture of and work on (railroad) track maintenance equipment	80 sets
Track welding	2,000 sites
Signal safety devices; Manufacturing and installation of	150
Barbering instruments	700 dogen

1941 Raw Material Input:

Type	Amount
Cast iron	40 tons
Round steel bars	50 tons
Iron plate	80 tons
Gas pipes	10 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: The Asia Machine Company

Nationality of Plant: Japanese

Location of Plant: P'ing-liang LU #624

Organization of Plant: Joint stock company

Amount of Capital: 165,000

Installations (Production Equipment):

Type	Number
Lathes	7
Planes	2
Drill presses	3

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 71
Female: 0
Total: 71

Annual Production Capacity:

Products	Amount
Substitute fuel burners	480
Automobiles repaired	360

1941 Output:

Products	Amount
Substitute fuel burners	480
Automobiles repaired	360

1941 Raw Material Input:

Type	Amount
Iron plate	42 tons
Iron scraps	30 tons
Cast iron	30 tons
Other metals	30 tons
Angles(angle iron)	30 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Showa Manufacturing Works

Nationality of Plant: Japanese

Location of Plant: T'ang-shan Lu (foot of)

Organization of Plant: [Not given]

Amount of capital: 100,000

Installations (Production equipment):

Type	Number
Planes	1
Various types of presses	23
Drill presses	5
Grinders	30
Milling machines	2
Lathes	64

Installations (Prime Movers):

Number of Electric Motors, ; total HP,
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	55
Female:	0
Total:	55

Annual Production Capacity:

Products	Amount
(At present, semi-finished products only)	
Bicycles	3,000
Bicycle parts	10,000
"Parupu" (valves)	6,000

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount
Iron plate	90,000 pounds
Round steel bars	40,000 pounds
Copper wire	20,000 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: The Kongo Company

Nationality of Plant: Japanese

Location of Plant: Hsin-chiang Lu #36

Organization of Plant: Private investment

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Drill press	1
Acetylene welders	1
Air compressors	1
Lathes	10

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 56
Female: 0
Total: 56

Annual Production Capacity:

Products	Amount
Automobiles repaired (only)	360

1941 Output:

Products	Amount
Automobiles repaired	130

1941 Raw Material Input:

Type	Amount
Automobile parts	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Tanaka Iron Works

Nationality of Plant: Japanese

Location of Plant: Fei-feng Lu Alley 472 #100

Organization of Plant: Private investment

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Drill presses	6
Planes	3
Grinders	2

Installations (Prime Movers):

Number of electric motors, 2 ; total HP, 10
No of other types of prime movers, 1 ; total HP, 14

Number of Workers:

Male: 129
Female: 0
Total: 129

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount
Boat engines	300,000 yen
Railroad equipment	180,000 yen

1941 Raw Material Input:

Type	Amount
Iron	120 tons
Cast iron	90 tons
Pure iron castings	1.5 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaiyatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Shanghai Iron Works**

Nationality of Plant: **Japanese**

Location of Plant: **Ch'iu-ssu-wei Lu #50**

Organization of Plant: **Private investment**

Amount of Capital: **25,000**

Installations (Production Equipment):

Type	Number
Lathes	**14**
Planes	**2**
Drill presses	**4**
Shapers	**1**
Grinders	**1**

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 25.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 62

Female: 0

Total: 62

Annual Production Capacity:

Products	Amount
Cast iron products	**17 tons**
Steel products	**9 tons**
Non-metallic products	**1 ton**

1941 Output:

Products	Amount
Cast iron products	**17 tons**
Steel products	**9 tons**
Non-metallic products	**1 ton**

1941 Raw Material Input:

Type	Amount
Cast iron	**207 tons**
Steel	**10 tons**
Non-ferrous metals	**1 ton**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Shinka Iron Works**

Nationality of Plant: **Japanese**

Location of Plant: **Liao-yang Lu #329**

Organization of Plant: **Private investment**

Amount of Capital: **4,000**

Installations (production equipment):

Type	Number
Lathes	**21**
Drill presses	**12**
Power presses	**3**
Milling machine	**1**

Installations (Prime Movers):
Number of Electric Motors, 4 ; total HP, 17
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 30
Female: 0
Total: 30

Annual Production Capacity:

Products	Amount
Unassembled bicycle frames	**12,000**
Bicycle "Parupu" (valves)	**12,000 sets**
Bicycle handles bars	**12,000**
Bicycle brakes	**12,000**
Fuji "Kaisosha" (1)	**6,600**

1941 Output:

Products	Amount
Unassembled bicycle frames	**55,000 yen**
Bicycle "parupu" (valves)	**7,000 yen**
Bicycle handles	**8,000 yen**
Bicycle brakes	**7,000 yen**
Fuji "kaisosha" (1)	**10,000 yen**

1941 Raw Material Input:

Type	Amount
Round bars	**0.5 tons**
Iron plate	**0.6 tons**
Flat iron plate	**1.0 tons**
Pipe	**2.0 tons**

TN: (1) Possibly a special speed bicycle

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Tokushin Iron Works**

Nationality of Plant: **Japanese**

Location of Plant: **P'ing-liang-lu-wei-an Lu #516, 517, 518, 520**

Organization of Plant: **Private investment**

Amount of Capital: **3,000**

Installations (Productive Equipment):

Type	Number
Lathes	9
Drill press	2
Planes	1
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 3

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 34
Female: 0
Total: 34

Annual Production Capacity:

Products	Amount
Various types of boat shafts (axles)	10,000 pounds
Pistons (various types)	45,000 pounds
Clutches (various types)	9,000 pounds
Cranks (various types)	4,000 pounds
Propellers (various types)	6,000 pounds
Bushing (various types)	4,000 pounds
Valves (various types)	2,500 pounds
Bolts (various types)	8,000 pounds

1941 Output:

Products	Amount
Various types of boat shafts	145,000 yen
Pistons	90,000 yen
Clutches	24,000 yen
Cranks	9,000 yen
Propellers	30,000 yen
Bushing	12,000 yen
Valves	6,000 yen
Bolts	5,000 yen

1941 Raw Material Input:

Type	Amount
Round iron bars	12,000 pounds
Iron castings	60,000 pounds
Brass castings	6,000 pounds
Round brass bars	3,000 pounds
Iron plate	6,000 pounds
Copper wire	240 pounds
Copper tubing	960 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Mitsui Shipbuilding; Ping-an Drydock

Nationality of Plant: Japanese

Location of Plant: At mouth of P'u-tung and Pai-lien Rivers

Organization of Plant: Under Military Administration

Amount of Capital: [Not given]

Installations (Production Equipment):

Type	Number
Lathes	13
Planes	2
Milling machines	2
Shapers	2
Drill presses	5
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 11; total HP, 171
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 391
Female: 0
Total: 391

Annual Production Capacity:

Products	Amount
Ships repaired	1,080 ships

1941 Output:

Products	Amount
Ships repaired	209 ships

1941 Raw Material Input:

Type	Amount
Iron	72 tons
Zinc	1 ton
Structural steel	2 tons
Tin	1 ton
Cast iron	50 tons
Brass	20 tons
Iron bolts and nuts	20 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Lung-ch'ang-shi-chi Machine Works**

Nationality of Plant: **Chinese**

Location of Plant: **Ssu-ch'uan Lu Alley 437 #4**

Organization of Plant: **Private investment**

Amount of Capital: **800,000**

Installations (Production Equipment):

Type	Number
Lathes	**10**
Planes	**1**
Shapers	**2**
Drill presses	**3**

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 195
Female: 0
Total: 195

Annual Production Capacity:

Products	Amount
Unspecified machine repairs	

1941 Output:

Products	Amount
Unspecified machine repairs	**50,000 yuan**

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Chung-ho Locomotive Equipment Works**

Nationality of Plant: **Chinese**

Location of Plant: **French concession; La-fei Lu #744**

Organization of Plant: **Partnership**

Amount of Capital: **270,000**

Installations (Production Equipment):

Type	Number
Lathes	12
Milling machines	4
Shapers	1
Drill press	2

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 5
No of other types of prime movers; ; total HP,

Number of Workers:

Male: 44
Female: 0
Total: 44

Annual Production Capacity:

Products	Amount
Pistons (for automobiles)	120
Wrist pins	60

1941 Output:

Products	Amount
Pistons	100
Wrist pins	50

1941 Raw Material Input:

Type	Amount
Aluminum	12 tons
Crude iron	6 tons
Steel	18 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Shun-chang Machine Works

Nationality of Plant: Chinese

Location of Plant: Lao-po-sheng Lu Alley 431 #100

Organization of Plant: Joint investment

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Lathes	11
Planes	3
Shapers	2
Drill presses	4
Grinders	2

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 7.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 34
Female: 0
Total: 34

Annual Production Capacity:

Products	Amount
Paddle steamer machinery	10
Lathes	12

1941 Output:

Products	Amount
Paddle steamer machinery	
Lathes	5

1941 Raw Material Input:

Type	Amount
Crude iron	66,105 pounds
Iron sand	2,121 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Hua-t'ai Machinery and Shipbuilding Works

Nationality of Plant: Chinese

Location of Plant: Hui-shan Lu #309

Organization of Plant: Limited stock company

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
Lathes	11
Drill presses	2
Planes	4

Installations (Prime Movers):
Number of Electric Motors, 2 ; total HP, 8
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 52
Female: 0
Total: 52

Annual Production Capacity:

Products	Amount
Engine pumps for ships	60 tons

1941 Output:

Products	Amount
Engine pumps for ships	60 tons

1941 Raw Material Input:

Type	Amount
Pig iron	52 tons
Steel	6 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: **Chien-chang Machine and Ship Works**

Nationality of Plant: **Chinese**

Location of Plant: **Ch'eng-tu Lu Alley #117, #128**

Organization of Plant: **Private investment**

Amount of Capital: **200,000**

Installations (Production Equipment):

Type	Number
Lathes	6
Drill presses	2
Planes	1
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 36
Female: 0
Total: 36

Annual Production Capacity:

Products	Amount
Ship repairs	60 tons

1941 Output:

Products	Amount
Ship repairs	60 tons

1941 Raw Material Input:

Type	Amount
Cast iron	36 tons
Steel	24 tons
Other materials	3 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Yüan-hsing-chang Machine Works**

Nationality of Plant: **Chinese**

Location of Plant: **Chi-ssu-fei-erh Lu Alley 30 #51**

Organization of Plant: **Partnership**

Amount of Capital: **140,000**

Installations (Production equipment):

Type	Number
Lathes	**32**
Drill presses	**12**
Milling machines	**6**
Grinders	**2**
Planes	**12**

Installations (Prime Movers):
Number of Electric Motors, 9 ; total HP, 19
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 37
Female: 0
Total: 37

Annual Production Capacity:

Products	Amount
Steel ball bearings	

1941 Output:

Products	Amount
Steel ball bearings	**6,000**

1941 Raw Material Input:

Type	Amount
Steel	**6 tons**
Steel balls	**1,000**
Blister iron	**2,000 kilograms**

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Ch'eng-tai-sung-chi Machine Works

Nationality of Plant: Chinese

Location of Plant: Pin-liang Lu #1356

Organization of Plant: Private investment

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Lathes	9
Drill presses	4
Planes	2

Installations (Prime Movers):

Number of electric motors, 3 ; total HP, 9.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 56
Female: 0
Total: 56

Annual Production Capacity:

Products	Amount
Repair and adjustment of steam engines for ships	120 tons

1941 Output:

Products	Amount
Repair and adjustment of steam engines for ships	12 tons

1941 Raw Material Input:

Type	Amount
Pig iron	12 tons
Steel	6 tons

SOURCE

Shanghai Kogyo Jitsai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Wan-kuo-hsin-chai Steam Locomotive Company

Nationality of Plant: Chinese

Location of Plant: Huan-lung-Lu #77

Organization of Plant: Limited stock company

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Air compressors	1
Vacuum battery chargers	1

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 36
Female: 0
Total: 36

Annual Production Capacity:

Products	Amount

1941 Output:

Products	Amount

1941 Raw Material Input:

Type	Amount

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: **Chung-kuo Bicycle Company**

Nationality of Plant: **Chinese**

Location of Plant: **Ho-te Lu Alley 810 #40-50**

Organization of Plant: **Limited stock company**

Amount of Capital: **100,000**

Installations (Production Equipment):

Type	Number
Lathes	1
Shapers	1
Drill presses	1
Presses	5
Pedal presses	16

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 8
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 20
Female: 12
Total: 32

Annual Production Capacity:

Products	Amount
Bicycle chains (sole product)	180,000

1941 Output:

Products	Amount
Bicycle chains	1,000

1941 Raw Material Input:

Type	Amount
Iron plate	24,000 pounds
Pins	60,000 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Kung-i Machine Works (Naniwn Machinery)*

Nationality of Plant: Chinese

Location of Plant: Shou-erh-yu-k'o Lu Alley 288 #21-23

Organization of Plant: Limited stock company

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Lathes	9
Planes	1
Shapers	2
Milling machines	1
Drill presses	2
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 3.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 40
Female: 0
Total: 40

Annual Production Capacity:

Products	Amount
Gas generators and installations thereof in substitute fuel vehicles	8

1941 Output:

Products	Amount
Idem.	8,000 yuan

1941 Raw Material Input:

Type	Amount
Crude iron	6 tons
Structural steel	12 tons
Iron plate	12 tons

*TN: Naniwn is an alternate name for Ōsaka; usage here possible denotes machinery manufactured in Ōsaka.

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Chung-fa-ch'iu-hsin Manufacturing Company**

Nationality of Plant: **French**

Location of Plant: **Nan-chih-t'ien-ch'ang Alley**

Organization of Plant: **Joint investment**

Amount of Capital: **1,200,000**

Installations (Production Equipment):

Type	Number
Lathes	45
Planes	9
Drill presses	10

Installations (Prime Movers):

Number of Electric Motors, 22 ; total HP, 250
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	426
Female:	0
Total:	426

Annual Production Capacity:

Products	Amount
Old and new type high speed diesel engines	20
Ships	5,000 tons
Steam engines	20
Small type diesel engines	200

1941 Output:

Products	Amount
Ships	
Old and new type high speed diesel engines	20
Steam engines	20
Small type diesel engines	

1941 Raw Material Input:

Type	Amount
Various kinds of raw materials	6,005,324.16 yuan

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Shanghai Casting Company**

Nationality of Plant: **Japanese**

Location of Plant: **Chou-shan Lu #550**

Organization of Plant: **Joint stock Company**

Amount of Capital: **200,000**

Installations (Production Equipment):

Type	Number
Smelting furnaces (2.5 tons)	1
Smelting furnaces (2 tons)	1
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 4 ; total HP, 40
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 75
Female: 0
Total: 75

Annual Production Capacity:

Products	Amount

1941 Output:

Products		Amount
Ship engines Railroad Various type of machine tools Spinning machines (jennies)	Castings	40 Metric Tons

1941 Raw Material Input:

Type	Amount
Pig iron	20 Metric Tons
Scrap pig iron	30 tons
Scrap iron	3 tons
Silicon	1

SOURCE

Shanghai Kogyo Jitai Chosa Shiryo Gaikatsuhyo, Showa 17-1 on Kokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: To ho Casting Works

Nationality of Plant: Japanese

Location of Plant: Chou-chia-tsui Lu Alley 1041

Organization of Plant: Individual investment

Amount of Capital: 10,000

Installations (Production Equipment):

Type	Number
Smelting furnace (1 ton)	1
Smelting furnace (2 ton)	1

Installations (Prime Movers):

Number of Electric Motors, 1 ; total HP, 5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 46

Female: 0

Total: 46

Annual Production Capacity:

Products		Amount
Cast iron products, Railroad materials, Spinning machine materials, Parts for (weighing) scales, Various types of machine parts	Castings	420 metric tons

1941 Output:

Products		Amount
Castings, Railroad materials, Spinning machine parts, Parts for (weighing) scales, Various types of machine parts	Castings	240 metric tons

1941 Raw Material Input:

Type	Amount
Pig iron	262 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Kyogen Casting Works

Nationality of Plant: Japanese

Location of Plant: Heng-peng Lu; Hung-shun-li #12

Organization of Plant: (Not given)

Amount of Capital: 3,000

Installations (Production Equipment):

Type	Number
Lathes	4
Drill presses	2
Planes	2
Smelter	1

Installations (Prime Movers):

Number of electric motors, 2 ; total HP, 8
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 42
Female: 0
Total: 42

Annual Production Capacity:

Products	Amount
Castings and manufactured products	240 metric tons

1941 Output:

Products	Amount
Castings and manufactured products	141.8 metric tons

1941 Raw Material Input:

Type	Amount
Pig iron	10 tons
Scrap iron	39 tons
Regenerated pig iron	115 tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Wan-ch'ang Machine and Casting Works

Nationality of Plant: Chinese

Location of Plant: Tung-yu-heng Lu #842

Organization of Plant: Partnership

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Lathes	11
Drill presses	5

Installations (Prime Movers):

Number of Electric motors, 9 ; total HP, 106
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	95
Female:	0
Total:	95

Annual Production Capacity:

Products	Amount
Water pipe and machinery castings	1,800 metric tons

1941 Output:

Products	Amount
Idem.	180 metric tons

1941 Raw Material Input:

Type	Amount
New and old crude iron	170 metric tons
Scrap iron	100 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Shanghai Iron Pipe Works**

Nationality of Plant: **Chinese**

Location of Plant: **I-ting-p'an Lu #1**

Organization of Plant: **Partnership**

Amount of Capital: **100,000**

Installations (Production Equipment):

Type	Number
Lathes	15
Planes	2
Grinders	2
Drill presses	9

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 48
Female: 0
Total: 48

Annual Production Capacity:

Products	Amount
Plumbing pipe (iron)	240,000 yuan (old currency)
Casting equipment	

1941 Output:

Products	Amount
Plumbing pipe	100,000 yuan
Casting equipment	

1941 Raw Material Input:

Type	Amount
Crude iron	2 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatenhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Hsiang-feng Iron Pipe Works

Nationality of Plant: Chinese

Location of Plant: Tung-yu-heng Lu #1194

Organization of Plant: Joint investment

Amount of Capital: 100,000

Installations (Production Equipment):

Type	Number
Smelters	5
Lathes	2
Drill presses	1
Grinders	1

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 31
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 52
Female: 0
Total: 52

Annual Production Capacity:

Products	Amount
Water conduits and distribution ducts	2,000 pieces
Plumbing pipe and distribution ducts	500 pieces
Miscellaneous machinery	60,000 pounds

1941 Output:

Products	Amount
Water conduits and distribution ducts	
Plumbing pipe and distribution ducts	
Miscellaneous machinery	

1941 Raw Material Input:

Type	Amount
New crude iron	40 metric tons
Old crude iron	40 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Chü-t'ai Casting Works

Nationality of Plant: Chinese

Location of Plant: Tung-yu-heng Lu #307-309

Organization of Plant: Private investment

Amount of Capital: 30,000

Installations (Production Equipment):

Type	Number
Smelters	3

Installations (Prime Movers):
Number of electric motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 35
Female: 0
Total: 35

Annual Production Capacity:

Products	Amount
Fragrant smoke wheels) Plumbing fixtures) Tools)	6 metric tons

1941 Output:

Products	Amount
Fragrant smoke wheels) Plumbing fixtures) Tools)	200 metric tons

1941 Raw Material Input:

Type	Amount
Crude iron pumps	100 metric tons
Scrap iron	100 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: The Mikami Electric Motor Company Factory Number 2

Nationality of Plant: Japanese

Location of Plant: Tung-heng-peng Lu; Te-pei-li #18

Organization of Plant: Private investment

Amount of Capital: 10,000

Installations (Production Equipment):

Type	Number
Lamp bulb manufacturing machines	4
Lathes	3
Test transformers	3

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 10
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 18
Female: 0
Total: 18

Annual Production Capacity:

Products	Amount
Steel tubing	224,000 shaku (TN: 1 shaku is 0.994 ft)
Electric motors	240
Electric machines	180

1941 Output:

Products	Amount
Steel tubing	120,000 shaku
Electric motors	240
Electric machines	180

1941 Raw Material Input:

Type	Amount
Silicon iron plate	
Copper wire	
Cast iron	
Iron plate (strips)	
Other materials	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

STAT

Name of plant: The Toko Electric Company

Nationality of Plant: Japanese

Location of Plant: Ch'iu-li-wei Lu #57

Organization of Plant: Joint stock company

Amount of Capital: 150,000

Installations (Production Equipment):

Type	Number
Three phase and single phase standard gauges	3
Wattmeters	9
Voltmeters	15
Ammeters	23
Resistors (rheostats)	4
Wire reelers	4
Insulation resistance measuring meters	2

Installations (Prime Movers):

Number of electric motors, 4 ; total HP, 14
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 69
Female: 7
Total: 76

Annual Production Capacity:

Products	Amount
Transformers	2,700
Electric motors	120
Others	6,900

1941 Output:

Products	Amount
Transformers	88
Electric motors	720
Others	9,046

1941 Raw Material Input:

Type	Amount
Silicon iron plate	12 metric tons
Steel	18 metric tons
Copper	5 metric tons
Copper wire	57 metric tons

SOURCE:

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Tokyo Electric Company (Shanghai Plant)

Nationality of Plant: Japanese

Location of Plant: Yang-shu-p'u-liao-yang Lu #663

Organization of Plant: Joint stock company

Amount of Capital: 300,000

Installations (Production Equipment):

Type	Number
Lathes	1
Shapers	1
Transformers	1
Voltage regulators	1
Electrometers	9

Installations (Prime Movers):

Number of Electric Motors, 12 ; total HP, 132
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 8
Female: 0
Total: 8

Annual Production Capacity:

Products	Amount
Electric communications equipment	20

1941 Output:

Products	Amount
Electric communications equipment	

1941 Raw Material Inputs:

Type	Amount
Steel	
Copper	
Other materials	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Hosoda Trading Company (Electric Communications Equipment Manufacturing Company)

Nationality of Plant: Japanese

Location of Plant: Hsin-chien Lu 1200

Organization of Plant: Joint stock company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Lathes	12
Number 2 Large and Number 3 Medium size presses	3
Forge equipment	2
Wire reelers	2

Installations (Prime Movers):

Number of Electric Motors, 17 ; total HP, 29.59
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	62
Female:	0
Total:	62

Annual Production Capacity:

Products	Amount
Various types of electric communications equipment	
Telephone	3,600
Switchboards	2,300
Transmitters	300
Receivers	3,500

1941 Output:

Products	Amount
Various types of electric communications equipment	
Telephones	1,000
Switchboards	3
Transmitters	
Receivers	

1941 Raw Material Input:

Type	Amount
Brass	16,386 pounds
Copper	2,184 pounds
Iron	19,850 pounds
B akelite	4,444 pounds
"Yoto" (TN: Probably cord)	38,000 meters

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Kokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: The Shori Recording Company

Nationality of Plant: Japanese

Location of Plant: P'ing-yüan Lu #1890

Organization of Plant: Joint stock company

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Record presses	12
Disc plating tanks	45
Hydraulic pumps (electric)	2
Record finishing machines	6

Installations (Prime Movers):

Number of Electric Motors, 23 ; total HP, 118.75
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 24
Female: 0
Total: 24

Annual Production Capacity:

Products	Amount
Records	120,000

1941 Output:

Products	Amount
Records	60,842

1941 Raw Material Input:

Type	Amount
Copper anodes	1,412
Record discs	30,945
Copper backcoated plate	486 pieces
Nickel anodes	253 pounds

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railwa

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RESTRICTED

Name of plant: **Mikami Electric Machinery Works**

Nationality of Plant: **Japanese**

Location of Plant: **Pei-ssu-ch'uan Lu 1030-1036**

Organization of Plant: **Private investment**

Amount of Capital: **100,000**

Installations (Production Equipment):

Type	Number
Lathes	11
Drill presses	5
Grinders	2
Iron plate cutters	1
Electric smelters	2
Gas smelters	1
Finishing vises	18 feet

Installations (Prime Movers):

Number of electric motors, 2 ; total HP, 17.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	61
Female:	0
Total:	61

Annual Production Capacity:

Products	Amount
Electric motors	180
Voltage regulators	36
Transformers	144
Distributors	180
Others	3,800 pieces
Transmitters	2,326

1941 Output:

Products	Amount
Electric motors	120
Voltage regulators	24
Transformers	96
Distributors	120
Others	2,400 pieces
Transmitters	4,784

1941 Raw Material Input:

Type	Amount
Copper plate and copper wire	5,400 kilograms
Wrought and cast iron	18,960 kilograms
Brass castings	2,400 kilograms
Silicon steel plate	7,200 kilograms
Bakelite (bars and plate)	960 kilograms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Asia Electric Works

Nationality of Plant: Japanese

Location of Plant: T'ien-t'ung Lu #182

Organization of Plant: Anonymous association

Amount of Capital: 200,000

Installations (Production Equipment):

Type	Number
"Sempingu" machine	1
Drills	11
Others	4

Installations (Prime Movers):

Number of Electric motors, 8 ; total HP, 160

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 47

Female: 0

Total: 47

Annual Production Capacity:

Products	Amount
Transmitters) Radios) Receivers) Other parts)	200

1941 Output:

Products	Amount
Transmitters) Radios) Receivers) Other parts)	344,299.62 yen

1941 Raw Material Input:

Type	Amount
Iron wire and iron plate	1,320 kilograms
Copper wire and copper plate	2,983 kilograms
"Nyumu" (Aluminum) plate	1,500 kilograms
Brass plate	1,500 kilograms

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Matsushita Electric Works

Nationality of Plant: Japanese

Location of Plant: Ch'ing-yün Lu #110 and Pei-ssu-ch'uan Lu #985

Organization of Plant: Joint stock company

Amount of Capital: [not given]

Installations (Production Equipment):

Type	Number
Horizontal shapers	1
Chogoki (Regulators)	3
Electric smelter stirring machines	2
Sand brushing machines	4
Lathes	4

Installations (Prime Movers):

Number of Electric Motors, 19 ; total HP, 29.22

No of other types of prime movers, ; total HP,

Number of Workers:

Male:

Female:

Total:

Annual Production Capacity:

Products	Amount
Light batteries) Radio A Batteries) Radio B Batteries) Radio C Batteries)	10,000,000

1941 Output:

Products	Amount
Light Batteries) Radio A Batteries) Radio B Batteries) Radio C Batteries)	7,784,391

1941 Raw Material Input:

Type	Amount
Manganese dioxide	378,000 (sic) metric tons
Graphite	140,000 metric tons
Brass	16,000 metric tons
Others	345,000 metric tons

SOURCE

Shanghai Kogyo Jitsai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Hokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: **Yung-an Electric Works**

Nationality of Plant: **Chinese**

Location of Plant: **K'ang-nao Lu Alley 1238 #38**

Organization of Plant: **Private investment**

Amount of Capital: **10,000**

Installations (Production Equipment):

Type	Number
Lathes	5
Drills	5

Installations (Prime Movers):

Number of electric motors, 4 ; total HP, 6.75

No of other types of prime movers, ; total HP,

Number of Workers:

Male:	1
Female:	0
Total:	1

Annual Production Capacity:

Products	Amount
Transformers	1,400 KVA
Switch buttons	60

1941 Output:

Products	Amount
Transformers	40
Switch buttons	35
Other repairs	140,000 yuan

1941 Raw Material Input:

Type	Amount
"Foma" iron plate	4 metric tons
Copper wire	3.5 metric tons
Iron plate	0.25 metric tons
Bar iron	0.18 metric tons
Reeled copper wire	13,500 metric tons
Copper wire	200 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Ling-she Electric Manufacturing Works

Nationality of Plant: Chinese

Location of Plant: Ai-wen-i Lu $914

Organization of Plant: Partnership

Amount of Capital: 1,000,000

Installations (Production Equipment):

Type	Number
Lathes	12
"Taryoto" (Turret lathes)	1
Surface lathes	1
Power presses	13
Drills	6
Serrated cutters	1

Installations (Prime Movers):
Number of Electric Motors, 7 ; total HP,
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 29
Female: 1
Total: 30

Annual Production Capacity:

Products	Amount
Motors	1,800

1941 Output:

Products	Amount
Motors	1,800

1941 Raw Material Input:

Type	Amount
Electrolytic iron plate	22,500 metric tons
Crude iron (cast iron)	27,000 metric tons
Aluminum lumps	1,900 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Chin-lung Electric Machinery Works

Nationality of Plant: Chou-chia-tsui Lu 1020

Location of Plant: Chinese

Organization of Plant: (Not Given)

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Latnes	12

Installations (Prime Movers):

Number of Electric Motors, 2 ; total HP, 4.5
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 35
Female: 0
Total: 35

Annual Production Capacity:

Products	Amount
Automatic transmitters	50
"Kaneiki" (wave machines)	50
Automatic drill press (puncher)	30
Communications numbering machines	1,000

1941 Output:

Products	Amount
Automatic transmitters	5
"Kiheiki"	33
Automatic drill press	5
Communications numbering machine	600

1941 Raw Material Input:

Type	Amount
Aluminum	1,000 metric tons
Copper	200 metric tons
Iron and steel	500 metric tons
Electrolytic iron plate	500 metric tons

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: The Hua-te Works

Nationality of Plant: Tung-ching (Tokyo) Lu #291

Location of Plant: Chinese

Organization of Plant: Partnership

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
Automatic coiling machine	17
"Anka-Katsuraingu" machines	3
"Bessningu" machine	4
"Furrosnu" machines	2
Manual shears	8

Installations (Prime Movers):

Number of Electric Motors, 134 ; total HP, 166.08
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	35
Female:	54
Total:	89

Annual Production Capacity:

Products	Amount
Electric light bulbs for home use	1,500,000
Small type bulbs	500,000

1941 Output:

Products	Amount
Electric light bulbs for home use	890,000
Small bulbs	500,000

1941 Raw Material Input:

Type	Amount
Molybdenum filaments	250,000 meters
Tungsten wire	900,000 meters
Lead (guide) wire	1,000,000 lbs
Plugs (of bulbs)	900,000

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Ch'ien-lien-chi Electric Mfg. Works

Nationality of Plant: Chinese

Location of Plant: Hsiao-sha Lu Alley 370 #30

Organization of Plant: Unlimited Stock Company

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Lathes	12
Shapers	2
Drills	2
Present	4

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 14.75
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 49
Female: 0
Total: 49

Annual Production Capacity:

Products	Amount
Welders	
Motors	489 HP
Generators	

1941 Output:

Products	Amount
Welders	2
Generators	12
Motors	160

1941 Raw Material Input:

Type	Amount
Copper wire and copper plate	1,500 kg
Bar and nexagonal bar brass	500 kg
Reeled wire and enamelled wire	8,000 kg
Electrolytic iron plate	10,000 kg
Iron plate and cast iron	15,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: Ch'ien-lien-chi Electric Mfg. Works

Nationality of Plant: Chinese

Location of Plant: Hsiao-sha Lu Alley 370 #30

Organization of Plant: Unlimited Stock Company

Amount of Capital: 400,000

Installations (Production Equipment):

Type	Number
Latnes	12
Shapers	2
Drills	2
Presses	4

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 14.75
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 49
Female: 0
Total: 49

Annual Production Capacity:

Products	Amount
Welders	
Motors	480 HP
Generators	

1941 Output:

Products	Amount
Welders	2
Generators	12
Motors	160

1941 Raw Material Input:

Type	Amount
Copper wire and copper plate	1,500 kg
Bar and nexagonal bar brass	500 kg
Reeled wire and enamelled wire	8,000 kg
Electrolytic iron plate	10,000 kg
Iron plate and cast iron	15,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: Mei-t'ung Electric Company

Nationality of Plant: Chinese

Location of Plant: Wei-hai-wei Lu "26/

Organization of Plant: Joint Stock Company

Amount of Capital: 250,000

Installations (Production Equipment):

Type	Number
Lathes	13
Shapers	3
Drill presses	11
Presses	16
Vises	18

Installations (Prime Movers):

Number of Electric Motors, 3 ; total HP, 13
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 57
Female: 0
Total: 57

Annual Production Capacity:

Products	Amount
Electric fans	600
Bakelite tools	398,000
Bakelite washers	10,000 lbs
Current controllers	10,000

1941 Output:

Products	Amount
Electric fans	420
Bakelite tools	398,000
Bakelite washers	1,000
Current controllers	300

1941 Raw Material Input:

Type	Amount
Brass palte	1,100 kg
Brass wire	440 kg
Copper wire	320 kg
Cast iron	2,000 kg
Electrolytic iron plate	1,500 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: The Chung-nan Electric Mfg. Works

Nationality of Plant: Chinese

Location of Plant: K'o-neng-nai Lu Alley 210 #5

Organization of Plant: Partnership

Amount of Capital: 40,000 yuan

Installations (Production Equipment):

Type	Number
Lathes	12
Power presses	1
Bench latnes	8
Small and large type turret (lathes)	16

Installations (Prime Movers):
Number of Electric Motors, 1 ; total HP, 5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 26
Female: 0
Total: 26

Annual Production Capacity:

Products	Amount
(Syntnetic) switches	500
Oil-filled swttches	70
Starters	100
Air (brake) switches	500
Oil-filled starters	500

1941 Output:

Products	Amount
(Syntnetic) switches	400
Oilfilled switches	56
Starters	
Air (brake) switches	400
Oil-filled starters	168

1941 Raw Material Input:

Type	Amount
Crude iron	40 kg
Forged iron	2 kg
Brass plate)	2 kg
Brass castings)	

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: The ta-nua Scientific Instrument Mfg. Works

Nationality of Plant: Chinese

Location of Plant: Po-wu-yuan Lu #131

Organization of Plant: Limited Stock Company

Amount of Capital: 500,000

Installations (Production Equipment):

Type	Number
12", 16", and 20" shapers	3
2 and 30 ton power presses	6
1" x ¼' and 3" x ¼" drills	6

Installations (Prime Movers):

Number of Electric Motors, 12 ; total HP, 135
No of other types of prime movers, ; total HP,

Number of Workers:

Male:	34
Female:	14
Total:	48

Annual Production Capacity:

Products	Amount
AC Voltmeters DC Ammeters Rheostats Key switches	15,000

1941 Output:

Products	Amount
AC Voltmeters DC Voltmeters Rheostats Key switches	8,359

1941 Raw Material Input:

Type	Amount
Copper wire	1,000 kg
Brass	6,000 kg
Bakelite	6,000 kg
Castins	10,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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RESTRICTED

Name of plant: T'ien-fa Mfg. Company

Nationality of Plant: Chinese

Location of Plant: Pei-ch'eng-Lu Hsuen-pao-yang #5

Organization of Plant: Joint Investment

Amount of Capital: 50,000

Installations (Production Equipment):

Type	Number
Exhaust pumps	8
Besningu machines	2
"Buroku"	1

Installations (Prime Movers):

Number of Electric Motors, 5 ; total HP, 22
No of other types of prime movers, ; total HP,

Number of Workers:

Male: 24
Female: 7
Total: 31

Annual Production Capacity:

Products	Amount
Electric light bulbs	836,000

1943 Output:

Products	Amount
Electric light bulbs	670,000

1941 Raw Material Input:

Type	Amount
Tungsten wire	770,000 rolls
"Handen"	480 lbs
Sockets	770,000
Glass tubing	20,248 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Kokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: Kung-ming Battery Works

Nationality of Plant: Chinese

Location of Plant: K'ang-nao-t'o Lu 990

Organization of Plant: Private Investment

Amount of Capital: 50,000 yuan

Installations (Production Equipment):

Type	Number
Rotary pumps	25
Wire reelers	6

Installations (Prime Movers):
Number of electric motors, 16 ; total HP, 14
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 30
Female: 31
Total: 13

Annual Production Capacity:

Products	Amount
Minature light bulbs	140,000

1941 Output:

Products	Amount
Minature light bulbs	4,000,000

1941 Raw Material Input:

Type	Amount
Tungsten	200,000 meters
Copper wire	150 lbs
"Harden"	400 lbs

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: **Hui-ming Electric Tube Works**

Nationality of Plant: **Chinese**

Location of Plant: **Hsiao-she-tu Lu; Ma-pai Lu #141**

Organization of Plant: **Private investment**

Amount of Capital: **2,000,000**

Installations (Production Equipment):

Type	Number
Pedal presses	14
Electro-deposition machines	1
Electrolytic stirrer	1
Hand operated shapers	16
Shapers	4
Mixers	2
Lathes	12
Shears	31
Crank presses	4
Power presses	19

Installations (Prime Movers):

Number of Electric Motors, 15 ; total HP, 39.5

No of other types of prime movers, ; total HP,

Number of Workers:

Male: 84
Female: 35
Total: 119

Annual Production Capacity:

Products	Amount
For lamp lighting use:	
A Batteries)	
B Batteries)	900,000 dozen
Lamp tubes	60,000 dozen

1941 Output:

Products	Amount
For lamp lighting use:	
A Batteries	130 dozen
B Batteries	125 dozen
Lamp tubes	37,000 dozen

1941 Raw Material Input:

Type	Amount
Brass	60,000 kg
Copper wire	1,000 kg
Zinc and transformed zinc	87,000 kg
Graphite	100,000 kg

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Geiitsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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STAT

Name of plant: The Ho-feng Company

Nationality of Plant: Chinese

Location of Plant: K'ang-nao-t'o Lu #100/

Organization of Plant: (Not Given)

Amount of Capital: (Not Given)

Installations (Production Equipment):

Type	Number
Lathes	1/
Drills	6
Vises	16

Installations (Prime Movers):
Number of Electric Motors, 3 ; total HP, 30
No of other types of prime movers, ; total HP,

Number of Workers:
Male:
Female:
Total:

Annual Production Capacity:

Products	Amount
Semi-finished motors	100

1941 Output:

Products	Amount
Semi-finished motors	

1941 Raw Material Input:

Type	Amount
Copper wire	
Electrolytic iron plate	

SOURCE

Shanghai Kogyo Jitsui Chosa Shiryo Seikatsuhyo, Showa 17-nen Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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Name of plant: The Hua-t'ung Electric Machiner Company

Nationality of Plant: Chinese

Location of Plant: Hsiao-sha-tu Lu #596

Organization of Plant: Limited Stock Company

Amount of Capital:

Installations (Production Equipment):

Type	Number
Drills	12
Compressors	5
Lathes	55
Power Presses	8

Installations (Prime Movers):
Number of Electric Motors, 39 ; total HP, 244.5
No of other types of prime movers, ; total HP,

Number of Workers:
Male: 204
Female: 0
Total: 204

Annual Production Capacity:

Products	Amount
Electric fans	5,000
Transformers	12,000 KVA
Generators	1,200
Electric power distributors	36

1941 Output:

Products	Amount
Electric fans	3,149
Transformers	7,213 KVA
Generators	330
Electric power distributors	19

1941 Raw Material Input:

Type	Amount
Copper	12,000 kg
Electro-iron plate	10,000 kg
Iron and steel	15,000 kg
Insulating materials	50,000 yuan

SOURCE

Shanghai Kogyo Jittai Chosa Shiryo Gaikatsuhyo, Showa 17-i on Rokugatsu Genzai (Investigation Report on Actual Condition of Industries in Shanghai, As of June 1942), published by the South Manchuria Railway

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